

Scout Report sent out

Noted in the NID File

Location map pinned

Approval or Disapproval Letter

Date Completed, P. & A, or operations suspended

2-30-57 (21)

Pin changed on location map

Affidavit and Record of A & P

Water Shut-Off Test

Gas-Oil Ratio Test

Well Log Filed

Subsequent Report of Abandonment

FILE NOTATIONS

Entered in NID File

Entered On S R Sheet

Location Map Pinned

Gas-Oil Ratio Test

IWR For State or Fee Land

Checked by Chief

Copy NID to Field Office

Approval Letter

Disapproval Letter

COMPLETION DATA:

Date Well Completed

Shut in Jan. 30, 57

OW

WW

TA

Location Inspected

GW

OS

PAL

Bond released

State of Fee Land

LOGS FILED

Driller's Log 2/13/57

Electric Logs (No. 1 2)

E

I

EI

GR

GRN

Micro

Lat.

Mi-L

Seismic

Others

Radiation Log



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake
Lease No. Utah 01298
Unit Southern Canyon

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ASANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 10, 1956

Well No. 3 is located 2180 ft. from Top S line and 100 ft. from E W line of sec. 15

NE 1/4 Sec. 15 10 South 23 East S.L.B.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wildcat Utah Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is ft. 5598.97 Gr.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

It is proposed to drill this well with rotary tools to an approximate total depth of 7500' testing the Mesaverde formation. An intermediate string of casing will be set and the Mesaverde will be drilled with air.

CASING PROGRAM

SURFACE: Approximately 350' 9-5/8"-35#-J-55 casing with cement circulated to surface.

INTERMEDIATE: Set at approximately 6400' (5400' of 7"-23#-J-55 and 1000' of 7"-23#-N-80) cemented with 500 sack cement.

LINER: Approximately 1000' of 5"-18#-N-80 casing cemented by standard cementing practices.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company El Paso Natural Gas Company

Address 902 Tribune Building

Salt Lake City, Utah

By R. E. Johnson
R. E. Johnson
Title Gas Engineer

COMPANY EL PASO NATURAL GAS COMPANY

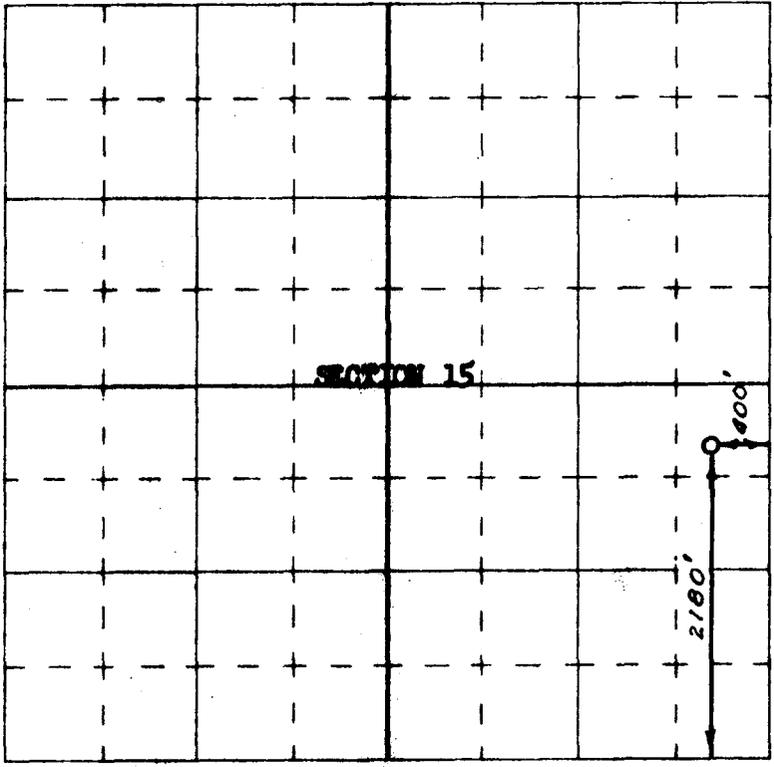
Well Name & No. SOUTHERN CANYON UNIT NO. 3 Lease No. UTAH-01298

Location 2180 FEET FROM THE SOUTH LINE, 1400 FEET FROM THE EAST LINE

Being in NE 1/4 OF THE SE 1/4

Sec. 15, T10 S., R23 E., S12M., UINTAH COUNTY, UTAH

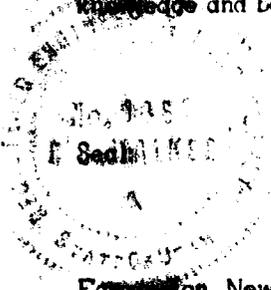
Ground Elevation 5599



Scale -- 4 inches equals 1 mile

Surveyed AUGUST 29, 19 56

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.



C. O. Walker

Registered Professional
Engineer and Land Surveyor.

Farmington, New Mexico

September 14, 1956

El Paso Natural Gas Co.
902 Tribune Building
Salt Lake City, Utah

Gentlemen:

This is to acknowledge receipt of your Notice of Intention to drill Well No. 3, which is located 2180 feet from the south line and 400 feet from the east line of Section 15, Township 10 South, Range 23 East, SEM, Uintah County.

As you know, under the General Rules and Regulations adopted by the Utah Oil and Gas Conservation Commission, any individual or company intending to drill for oil and/or gas in the State of Utah must file a notice of intention to drill and have said notice approved by this office before commencement of drilling operations except for those cases which come under Rule A-3 of these rules and regulations.

It is obvious you intend the above mentioned exception to apply in this case. Therefore, will you please send this office a copy of the Southman Canyon Unit Agreement as required by Rule A-3.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
SECRETARY

CBF:cn

October 5, 1956

El Paso Natural Gas Company
902 Tribune Building
Salt Lake City, Utah

Gentlemen:

With reference to our letter of September 14, 1956,
it would be greatly appreciated if a copy of the
Southman Canyon Unit Agreement could be forwarded
to this office as soon as possible.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

GILSON B. FREIGHT
SECRETARY

CBF:en

October 31, 1956

El Paso Natural Gas Company
902 Tribune Building
Salt Lake City, Utah

Gentlemen:

Please forward a copy of the Southman Canyon Unit Agreement to this office as soon as possible.

Said Copy need not be completely executed.

Yours very truly,

OIL & GAS CONSERVATION
COMMISSION

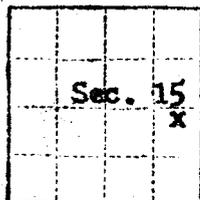
OLSON B. FREIGHT
SECRETARY

GBF:cn

2nd Request

(SUBMIT IN TRIPLICATE)

Land Office Utah
Lease No. U-01298
Unit Southman Canyon



UNITED STATES
T. 10 S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

R. 23 E.

*Notes
check
11/26/56*

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	X
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

November 14, 1956

Well No. 3 is located 2180 ft. from S line and 400 ft. from E line of sec. 15

NE 1/4 Sec. 15 10 South 23 East S.L.B. & M.

(1/4 Sec. and Sec. No.)

(Twp.)

(Range)

(Meridian)

Wildcat
(Field)

Uintah
(County or Subdivision)

Utah
(State or Territory)

The elevation of the derrick floor above sea level is 5608 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

October 20, 1956 - Spudded well

October 21, 1956 - TD 215'

Ran 6 Jts. of 9-5/8" 36# J-55 casing (19') set at 207
with 120 sks. + 2% CaCl₂. Cement circulated to surface.
Tested csg. with 500 psi for 30 mins.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company El Paso Natural Gas Company

Address 902 Tribune Building

Salt Lake City, Utah

By D. E. Lockett
D. E. Lockett

Title Senior Petroleum Engineer

(SUBMIT IN TRIPLICATE)

Land Office Utah
Lease No. U-01298
Unit Southman Canyon



R. 23 E.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

*Noted
Cost
11/26/56*

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....	<u>Subsequent report of DST</u> X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

November 14, 1956

Well No. 3 is located 2180 ft. from North line and 400 ft. from East line of sec. 15

NE 1/4 Sec. 15 10 South 23 East S.L.B.&M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wildcat
(Field)

Utah
(County or Subdivision)

Utah
(State or Territory)

The elevation of the derrick floor above sea level is 5608 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

October 29, 1956 - TD 1652.

Cemented off lost circulation zone 1431-1652 with 600 sks + 3% CaCl₂ + 8% G₂I + 5 sks Floseal + 10 sks Strata-Seal material. Top of cement at 1223'.

November 6, 1956 - TD 3400

DST #1: 3300-3400 - Tool open 30 mins, wk blow, died in 10 mins. Shut-in 15 mins. Recovered 5' drlg mud. IF-0; FF-0; SIP-0.

November 12, 1956 - TD 4448

DST #2: 4448-4430 - Tool open 1 1/2 hrs., gas to surface in 12 mins. Gauged 125 MCFPD. Shut-in 1 hr. & 10 min. Recovered 65' gas cut mud and 30' water. IF-0; FF-0; SIP-1359.

November 14, 1956 - TD 4503

DST #3: 4451-4503 - Tool open 45 mins, weak blow, died in 45 mins. Shut in 30 mins. Rec. 30' mud. IF-0, FF-0, SIP-1550.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company El Paso Natural Gas Company

Address 902 Tribune Building

Salt Lake City, Utah

By D. E. Lockett
D. E. Lockett

Title Senior Petroleum Engineer

(SUBMIT IN TRIPLICATE)

Land Office Utah

	Sec. 15		
		X	

T10S.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Lease No. U-01298

Unit Southman Canyon

R 23 E

*Noted
CMT
12/12/56*

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
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NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....	<u>Subsequent report of DST's</u>	X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

December 4, 19 56

Well No. 3 is located 2180 ft. from X line and 400 ft. from [E] line of sec. 15
NE 1/4 SE 1/4 Sec. 15 10 South 23 East S.L.B.&M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat Uintah Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5608 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

- Nov. 17, 1956 - TD 4920.
DST #4: 4900-4920 - tool open 35 mins, shut-in 45 mins. Recovered 30' drlg. mud. IFP=0; FFP=0; SIP=1750.
- Nov. 24, 1956 - TD 5740.
DST #5: 5720-5740 - tool open 1 hour, shut-in 45 mins. Recovered 30' drlg. mud. All pressures zero.
- Nov. 30, 1956 - TD 6273
DST #6: Miran
- Dec. 1, 1956 - TD 6476
DST #7: 6398-6476 - tool open 2 hours, light blow of air, shut-in 45 mins. Recovered 50' mud. IFP=0, FFP=0, SIP=240 psi.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company El Paso Natural Gas Company

Address 902 Tribune Building

Salt Lake City, Utah

By D. E. Lockett
D. E. Lockett

Title Senior Petroleum Engineer

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8	2071	120, 2% CaCl ₂	Circulated		
7	6478	200 Reg. Cem	Displacement		
5	6832	150 Reg. Cem	Circulated		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
 Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from _____ 0 _____ feet to _____ 7418 _____ feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Shut In
 January 30 _____, 1957. _____ ~~Producing~~ January 30 _____, 1957.

The production for the first 24 hours was _____ 40 _____ barrels of fluid of which _____ 25 _____% was oil; _____% emulsion; _____ 75 _____% water; and _____% sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours _____ 971,000 _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____ 2287 psig _____

EMPLOYEES

_____, Driller _____, Driller
 _____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	840		Uinta
840	3996		Green River
3996	5980		Mesa Verde (Upper)
(Information on the above well is confidential)			

FOLD MARK

	Sec. 15		
		X	

T.10So.

(SUBMIT IN TRIPLICATE)
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Utah
Lease No. U-01298
Unit Southman Canyon

*Notes
Covers
12/12/56*

R. 23 E.

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	X
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

December 10, 1956

Well No. 3 is located 2180 ft. from SW line and 400 ft. from E line of sec. 15

NE 1/4 Sec. 15 10 South 23 East S.L.B.&M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat Uintah Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5608 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

December 4, 1956 - T.D. 6481

Ran 160 Jts. of 7" 23# J-55 and N-80 casing (6462) set at 6478 with 200 sks regular cement.

Tested for water shut-off with 1200 psi for 12 hours. Top of cement at 5800 by temperature survey.

December 5, 1956 - Prep to drill the Mesaverde section with air circulation to TOTAL DEPTH 7400.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company El Paso Natural Gas Company

Address 902 Tribune Building

Salt Lake City, Utah

By D. E. Lockett
D. E. Lockett
Title Senior Petroleum Engineer

(SUBMIT IN TRIPLICATE)

	Sec. 15		

T10S

R 23 E

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Utah
Lease No. U-01298
Unit Southman Canyon

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	X
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	X
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

December 27, 1956

Well No. 3 is located 2180 ft. from S line and 400 ft. from E line of sec. 15

NE 1/4 Sec. 15
(1/4 Sec. and Sec. No.)

10 So. 23 East
(Twp.) (Range)

S.L.B.M.
(Meridian)

Wildcat
(Field)

Utah
(County or Subdivision)

Utah
(State or Territory)

*Noted
C.M.K.
1-7-57*

The elevation of the derrick floor above sea level is 5608 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Dec. 11, 1956 - Reached T.D. 7418. Drilling w/air. Mudding up and running logs.

Dec. 15, 1956 - Ran 5" liner (P-110 18#), landed at 6832'. Cemented with 200 sks. cement circulated. Top liner hanger at 6319'.

Dec. 17, 1956 - Perforated 6822-6748 2 cones per ft. Prep to sand-oil.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company El Paso Natural Gas Company

Address 902 Tribune Building

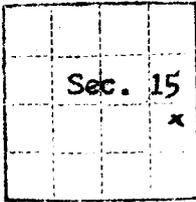
Salt Lake City, Utah

By L. E. Bechtel
L. E. Bechtel

Title Petroleum Engineer

(SUBMIT IN TRIPLICATE)

Land Office Utah
Lease No. U-01298
Unit Southman Canyon



T 10 S

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

R 23 E

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....	<u>Sand-oil treatment</u> X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

December 27, 1956

Well No. 3 is located 2180 ft. from SW line and 440 ft. from E line of sec. 15

NE 1/4 Sec. 15
(1/4 Sec. and Sec. No.)

10 So. 23 East
(Twp.) (Range)

S.L.B.&M.
(Meridian)

Wildcat
(Field)

Uintah
(County or Subdivision)

Utah
(State or Territory)

*Noted
C.M.H.
1-7-57*

The elevation of the derrick floor above sea level is 5608 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudlogging jobs, cementing points, and all other important proposed work)

Dec. 19, 1956 - Sand-oil #1: Treated w/18,000 Gals. #2 diesel oil, 14,000#(20-40) sand.
Breakdown Press. = 4000#
Minimum Press. = 4000#
Maximum Press. = 6000#
Injec. Rate = 9.2 bbls/min.
Formation sanding off in 55 min. Released pumping equipment and flowing well back.

Dec. 22, 1956 - Ran 218 Jts. 2-3/8" 4.6# EUE tubing landed at 6806'. Well completed as Shut-in Gas Well. Final report to follow as soon as back pressure tests are run.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company El Paso Natural Gas Company

Address 902 Tribune Building

Salt Lake City, Utah

By L. E. Bechtel
L. E. Bechtel

Title Petroleum Engineer.

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County Uintah Field or Lease Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for 1957, 1958, 1959, 1960, 1961, 19

Agent's address Box 990 Company El Paso Natural Gas Company

Farmington, New Mexico Signed [Signature]

Phone 325-2841 Agent's title Area Petroleum Engineer

State Lease No. _____ Federal Lease No. U-01298 Indian Lease No. _____ Fee & Pat.

Sec. & 1/4 of 1/4	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
NESE 15	105	23#	#3	SI	10	30	971	This well has been shut-in since it was completed on January 30, 1957

NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

*STATUS: F-Flowing P-Pumping GL-Gas Lift
SI-Shut In D-Dead
GI-Gas Injection TA-Temp. Aban.
WI-Water Injection

DAILY DRILL RECORD - SOUTHMAN CANYON UNIT #3

*Noted
cost
1-7-57*

Oct. 20, 1956 Spudded well.

Oct. 21, 1956 Drilling surface hole.

Oct. 22, 1956 T.D. 215'. Set 6 Jts. 9-5/8" 36# (191') at 207' w/120 sks 2% CA CL₂. Plug down 8:00 P.M. 10-21-56.

Oct. 23-26, 1956 Drilling 8-3/4" hole 215' - 1431 lost circulation.

Oct. 26-29, 1956 Drilling 8-3/4" hole 1431-1652. Drilling blind, no returns. Cemented w/600 sks 3% CA CL₂, 8% Gel, 5 sks. flo-seal, 10 sks. strata-seal.

Oct. 30, 1956 Drilling cement plug.

Oct. 31, 1956 T.D. 1952. No lost circulation - twisted off - drill collars.

Nov. 1, 1956 T.D. 2332. Drilling. Twisted off drill pipe - repairing pump.

Nov. 2-3, 1956 2332-2944. Drilling, Twisted off.

Nov. 3-6, 1956 Drilling 2944-3400.

Nov. 7, 1956 DST #1: 3300-3400 - Tool open 30 min, shut-in 15 min. Weak blow, died in 10 min. IF=0, FF=0, SIP=0, HH=1700. Recovered 5' drilling mud.

Nov. 8-12, 1956 Drilling 3400-4448.

Nov. 12, 1956 DST #2: 4430-4448 - Tool open 1½ hrs, strong blow, gas to surface in 12 min. Final gauge 125 MCF; shut-in 1 hr. 10 min. IF=0, FF=0, SIP=1350; HH=2325. Recovered 65' Gas cut mud and 30' water.

Nov. 13, 1956 T.D. 4487 - Coring.

Nov. 14, 1956 TD 4503.
DST #3: 4451-4503 - Tool open 45 min, shut-in 30 min., weak blow died in 30 min. Recovered 30' mud. IF=0; FF=0; SIP=1550; B.H.T.=122°F.

Nov. 15-16, 1956 Drilling 4503-4888.

Nov. 17, 1956 T.D. 4942.
DST #4: Tool open 35 min., shut-in 45 min., weak blow, died in 7 min. Recovered 30' drilling mud. IF=0; FF=0; SIP=1750; HH=2490.

Nov. 18-23, 1956 Drilling 4942-5740.

Daily Drill Record - Southman Canyon #3

Page 2

Nov. 24, 1956 T.D. 5740
DST #5: 5720-40 - Open 1 hr., Shut-in 45 min. Slight opening blow, died in 20 min. Recovered 30' drilling mud. IF=0, FF=0, SIP=0, HH=2950.

Nov. 25-27, 1956 Drilling 5740-6115.

Nov. 28, 1956 Drilling and coring. Core #2: 6134-49 - Rec. 15' - 14' sh., 1' sand.

Nov. 29, 1956 Drilling 6149-6225.

Nov. 30, 1956 T.D. 6273
DST #6: Misrun. Core #3: 6284-73. Full recovery, 19' sd, 20' sh.

Dec. 1-2, 1956 Drilling 6273-6471.

Dec. 3, 1956 T.D. 6481.
DST #7: 6398-6476 - Tool open 2 hrs., slight blow throughout. SIP=240. All other pressures zero. Recovered 50' mud.

Dec. 4, 1956 Running 7" casing.

Dec. 5, 1956 T.D. 6481. Ran 160 Jts. 7" 23# J-55 & N-80 casing. 6462' landed at 6478. Cemented with 200 sks regular cement. Plug Down 3:30 P.M. 12-4-56.

Dec. 6-7, 1956 Picking up 3½" drill pipe and blowing hole dry.

Dec. 8-11, 1956 Drilling 6481-7418. Drilling with air. Well gauged 250 MCF.

Dec. 12, 1956 Running Gamma Ray logs.

Dec. 13-14, 1956 Circ. hole with mud; waiting on liner hanger.

Dec. 15, 1956 T.D. 7411. Ran 5" (P-110-18#) liner landed at 6832'. Top at 6319'. Cemented with 150 sks. Reversed out approximately 70 sks.

Dec. 16, 1956 W.O.C.

Dec. 17, 1956 Perf. 6822-6781 - Stuck Lane Wells gun; fishing.

Dec. 18, 1956 Perf. 6781-6748 2 cones/ft.

Dec. 19, 1956 Sand-Oil #1: Treated with 18,000 Gals. #2 diesel, 14,000# sand; Broke at 4000#, treated at 4000#, Maximum 6000#, sanded off in 55 min. Injection Rate = 9.2 bbls/min; .67#/Gal. Released well back at 4:00 P.M. Flowed back heads of frac oil and gas til 10:00 P.M. Shut-in 1 hr; built up to 1080#.

Dec. 20, 1956 Pressured and blowed well 10 hrs., killed well with water and drilled Baker retainer. Prep to run tubing; gauged 1790 MCF.

Dec. 21, 1956 Ran 118 Jts. 2-3/8" 4.6 J-55 tubing landed at 6806'. Pressured and blowed well. RIG RELEASED 12:00 midnight.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE
LEASE NUMBER Southman Canyon
UNIT

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Uintah Field Southman Canyon
 The following is a correct report of operations and production (including drilling and producing wells) for the month of October, 19 63,
 Agent's address 1008 West Sixth Street Company Shell Oil Company
Los Angeles, California 90054 Signed R. B. Anderson
 Phone RUntley 2-3131 Agent's title Section Supervisor

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCING	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
Mesa Verde Participating Area "A"										
NE NE 29	10S	24E	4	27	3	67.9	2904			Flowing
Mesa Verde Participating Area "B"										
NN NW 24	10S	23E	7	31	61	56.0	8553			Flowing
Non-Participating										
NE NE 11	10S	23E	2							Shut in
NE SE 15	10S	23E	3							Shut in
NE SW 32	10S	24E	8							Suspended

RECEIVED
BR OF OIL & GAS OPERATIONS
NOV 27 1963
U. S. GEOLOGICAL SURVEY
SALT LAKE CITY, UTAH

Note.—There were 1 runs or sales of oil; 11,225 M cu. ft. of gas sold;

..... runs or sales of gasoline during the month. (Write "no" where applicable.)

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Utah
LAND NUMBER
UNIT Southern Shoshone

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Wasatch Field Southern Shoshone

The following is a correct report of operations and production (including drilling and producing wells) for the month of November, 1948,

Agent's address 1000 West Sixth Street Company Shell Oil Company
Los Angeles, California 90024 Signed D. J. Collier
Phone Whitney 2-3131 Agent's title Section Supervisor

SEC AND X OF X	TWP.	RANGE	WELL NO.	DATE PRODUCTION	BARRELS OF OIL	GRAVITY	Cu. Ft. of GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; also and result of test for gasoline content of gas)
					Moon Verde Participating Area "A"					
NE NE 20	10N	20E	4	20	3	67.0	4,100			Gas
					Moon Verde Participating Area "B"					
NE NW 24	10N	20E	7	20	24	26.0	3,940			Gas
					Non-Participating Area "C"					
NE NE 11	10N	20E	2							Shut in
NE NE 15	10N	20E	3							Shut in
NE SW 22	10N	20E	8							Suspended

DEC 20 1948

NOTE.—There were 1 runs or sales of oil; 12,040 M cu. ft. of gas sold; no runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

Budget Bureau No. 42-R356.5
 Approval expires 12-31-60.

LAND OFFICE Utah
 LEASE NUMBER _____
 UNIT Southman Canyon

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Uintah Field Southman Canyon

The following is a correct report of operations and production (including drilling and producing wells) for the month of March, 1964,

Agent's address 1008 W. Sixth Street Company Shell Oil Company

Los Angeles, California 90054 Signed [Signature]

Phone NU 2-3131 Agent's title Section Supervisor

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
<u>Mass Verde Participating Area "A"</u>										
NE NE 29	10S	24E	4	31		67.9	2,852			Gas
<u>Mass Verde Participating Area "B"</u>										
NE NW 24	10S	23E	7	31		56.0	6,711			Gas
<u>Non-Participating</u>										
NE NE 11	10S	23E	2							Suspended
NE SE 15	10S	23E	3							"
NE SW 32	10S	24E	8							"

NOTE.—There were Nil runs or sales of oil; 9,563 M cu. ft. of gas sold;

Nil runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Handwritten notes:
 1008 West 6th Street
 Los Angeles, California

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

LAND OFFICE Utah
 LEASE NUMBER Southman Canyon
 UNIT

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Uintah Field Southman Canyon

The following is a correct report of operations and production (including drilling and producing wells) for the month of June 1964

Agent's address 1008 West 6th Street Company Shell Oil Company
Los Angeles, California 90054

Phone HU 2-3131 Signed [Signature] Agent's title Section Supervisor

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth, if shut down, cause, date and result of test for gasoline content of gas)
MESA VERDE PARTICIPATING AREA "A"										
NE NE 29	105	24E	4	30	--	67.9	577	--	--	Gas
MESA VERDE PARTICIPATING AREA "B"										
NW NW 24	105	23E	7	3	13	56.0	3499	--	--	Gas
NON PARTICIPATING										
NE NE 11	105	23E	2							Suspended
NE SE 15	105	23E	(3)							Suspended
NE SW 32	105	24E	8							Suspended

NOTE.—There were _____ runs or sales of oil _____ M cu. ft. of gas sold;

_____ runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Utah
LEASE NUMBER _____
UNIT Southman Canyon

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Uintah Field Southman Canyon

The following is a correct report of operations and production (including drilling and producing wells) for the month of October, 1964,

Agent's address 1008 West Sixth Street Company Shell Oil Company

Los Angeles, California 90054 Signed [Signature]

Phone 482-3131 Agent's title Section Supervisor

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL No.	DATE PRODUCE	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
<u>Mesa Verde Participating Area "A"</u>										
NE NE 29	105	24E	4	22	-	67.9	477	-	-	Gas
<u>Mesa Verde Participating Area "B"</u>										
NW NW 24	105	23E	7	31	-	56.0	5249	-	-	Gas
<u>Non-Participating</u>										
NE NE 11	105	23E	2							Suspended
NE S 15	105	23E	3							Suspended
NE SW 32	105	24E	8							Suspended

NOTE.—There were -0- runs or sales of oil; 5514 M cu. ft. of gas sold;

runs or sales of gasoline during the month. (Write "no" where applicable.)
NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-11356.5
Approval expires 12-31-64.

STATE OF Utah
COUNTY OF Utah
DISTRICT OF Southman Canyon

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Utah Field Southman Canyon

The following is a correct report of operations and production (including drilling and producing wells) for the month of November, 19 64,

Agent's address 1005 West Sixth Street Company Shell Oil Company
Los Angeles, California 90054

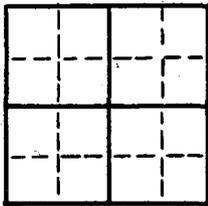
Phone 482-3131 Signed R. B. Anderson
Agent's title Section Supervisor

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DATE PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
Mesa Verde Participating Area "A"										
NE NE 29	105	24E	4	30	-	60.0	1700	-	-	Gas
Mesa Verde Participating Area "B"										
NW NW 24	105	23E	7	30	13	56.0	6148	-	-	Gas
Non-Participating										
NE NE 11	105	23E	2							Suspended
NE S 15	105	23E	3							Suspended
NE SW 32	105	24E	8							Suspended

NOTE.—There were 0 runs or sales of oil; 7608 M cu. ft. of gas sold;

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
SALT LAKE CITY, UTAH



SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill.....		Subsequent Report of Water Shut-off.....	
Notice of Intention to Change Plans.....		Subsequent Report of Altering Casing.....	
Notice of Intention to Redrill or Repair.....		Subsequent Report of Redrilling or Repair.....	
Notice of Intention to Pull or Alter Casing.....	X	Supplementary Well History.....	
Notice of Intention to Abandon Well.....	X		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 6, 1966

Southman Canyon Unit

Well No. 3 is located 2180 ft. from ~~X600~~ S line and 400 ft. from {E} line of Sec. 15

SE/4 Sec. 15
(1/4 Sec. and Sec. No.)

108
(Twp.)

23E
(Range)

SLB & M
(Meridian)

Southman Canyon Unit
(Field)

Uintah
(County or Subdivision)

Utah
(State or Territory)

The elevation of the derrick floor above sea level is 5608 feet.

A drilling and plugging bond has been filed with U. S. Dept of Interior (U. S. Fidelity & Guaranty Co. Bond #67209-13-1627-53)

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

Due to non-commercial production it is intended to plug and abandon this well in the following manner:

Spot 15 sack cement plug down tubing across the perforations 6748-6822'. Pull tubing. Determine free point of 7" casing. Shoot off casing at the free point if enough is free to be economical to recover.

Spot 35 sack plug on 7" casing stub.

Spot 30 sack plug across the top of the Wasatch at 3996'.

Spot 30 sack plug across the top of the oil shale at 2000'.

Spot 30 sack plug across the top of the Green River at 840'.

Spot 35 sack plug 1/2 in and 1/2 out of the bottom of the surface casing at 207'.

Install 4" x 4' plug and abandonment marker and 5 sack cement plug in top of the surface casing.

APPROVED BY UTAH OIL AND GAS
CONSERVATION COMMISSION

I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

DATE: 10-20-66 by *Carl E. Matthews* Chief Petroleum Engineer

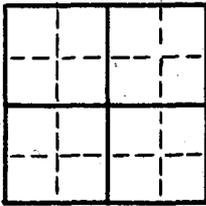
Company El Paso Natural Gas Company

Address Box 990, Farmington, New Mexico

By *Carl E. Matthews*
Title Petroleum Engineer

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

0018



STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
SALT LAKE CITY, UTAH

Fee and Patented.....
State
Lease No.
Public Domain
Lease No.
Indian
Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill.....	Subsequent Report of Water Shut-off.....	
Notice of Intention to Change Plans.....	Subsequent Report of Altering Casing.....	
Notice of Intention to Redrill or Repair.....	Subsequent Report of Redrilling or Repair.....	
Notice of Intention to Pull or Alter Casing.....	Supplementary Well History.....	
Notice of Intention to Abandon Well.....	Subsequent Report of Abandonment	X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

January 11, 1967

Southman Canyon Unit

Well No. 3 is located 2180 ft. from ~~SW~~ S line and 400 ft. from ~~SW~~ E line of Sec. 15

SE/4 Sec. 15
(1/4 Sec. and Sec. No.)

10W
(Twp.)

23E
(Range)

SLB & M
(Meridian)

Southman Canyon Unit
(Field)

Uintah
(County or Subdivision)

Utah
(State or Territory)

The elevation of the derrick floor above sea level is 5608 feet.

A drilling and plugging bond has been filed with U.S. Dept. of Interior (USF&O Co. Bond 67209-13-1627-53)

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

Due to non-commercial production this well was plugged and abandoned in the following manner:

- 11-3-66 Spotted 20 sack cement plug across perfs (6748-6822'). Pulled tubing. Did not recover and 7" casing.
- 11-7-66 Perf. 2 squeeze holes in 7" casing at 840'. S ueezed 40 sacks cement across perfs at 840'. As per verbal approval from Rodney Smith on 11-5-66
- 11-8-66 Erected P & A marker w/10 sack surface plug.

I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

Company El Paso Natural Gas Company

Address Box 990

Farmington, New Mexico

Original signed by
Carl E. Matthews

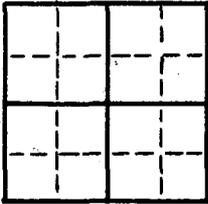
By

Title Petroleum Engineer

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

LAND: Federal *M.H.A.*
 U-01298
 Fee and Patented.....
 State
 Lease No.
 Public Domain
 Lease No.
 Indian
 Lease No.

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
 SALT LAKE CITY, UTAH



SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill.....	Subsequent Report of Water Shut-off.....	
Notice of Intention to Change Plans.....	Subsequent Report of Altering Casing.....	
Notice of Intention to Redrill or Repair.....	Subsequent Report of Redrilling or Repair.....	
Notice of Intention to Pull or Alter Casing.....	Supplementary Well History.....	
Notice of Intention to Abandon Well.....	Subsequent Report of Abandonment.....	X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

January 11, 1967

Southman Canyon Unit
 Well No. 3 is located 2180 ft. from ~~TOP~~ S line and 400 ft. from ~~WEST~~ E line of Sec. 15
SE/4 Sec. 15 10WS 23E SLB & M
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Southman Canyon Unit Uintah Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5608 feet.

A drilling and plugging bond has been filed with U.S. Dept. of Interior (USF&G Co. Bond 67209-13-1627-53)

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

Due to non-commercial production this well was plugged and abandoned in the following manner:

- 11-3-66 Spotted 20 sack cement plug across perfs (6748-6822'). Pulled tubing. Did not recover any 7" casing.
- 11-7-66 Perf. 2 squeeze holes in 7" casing at 840'. Squeezed 40 sacks cement across perfs at 840'. As per verbal approval from Rodney Smith on 11-5-66
- 11-8-66 Erected P & A marker w/10 sack surface plug. ✓

I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

Company El Paso Natural Gas Company
 Address Box 990
Farmington, New Mexico
 By Carl E. Matthews
 Title Petroleum Engineer

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

Southern Canyon #3

STEP-RATE

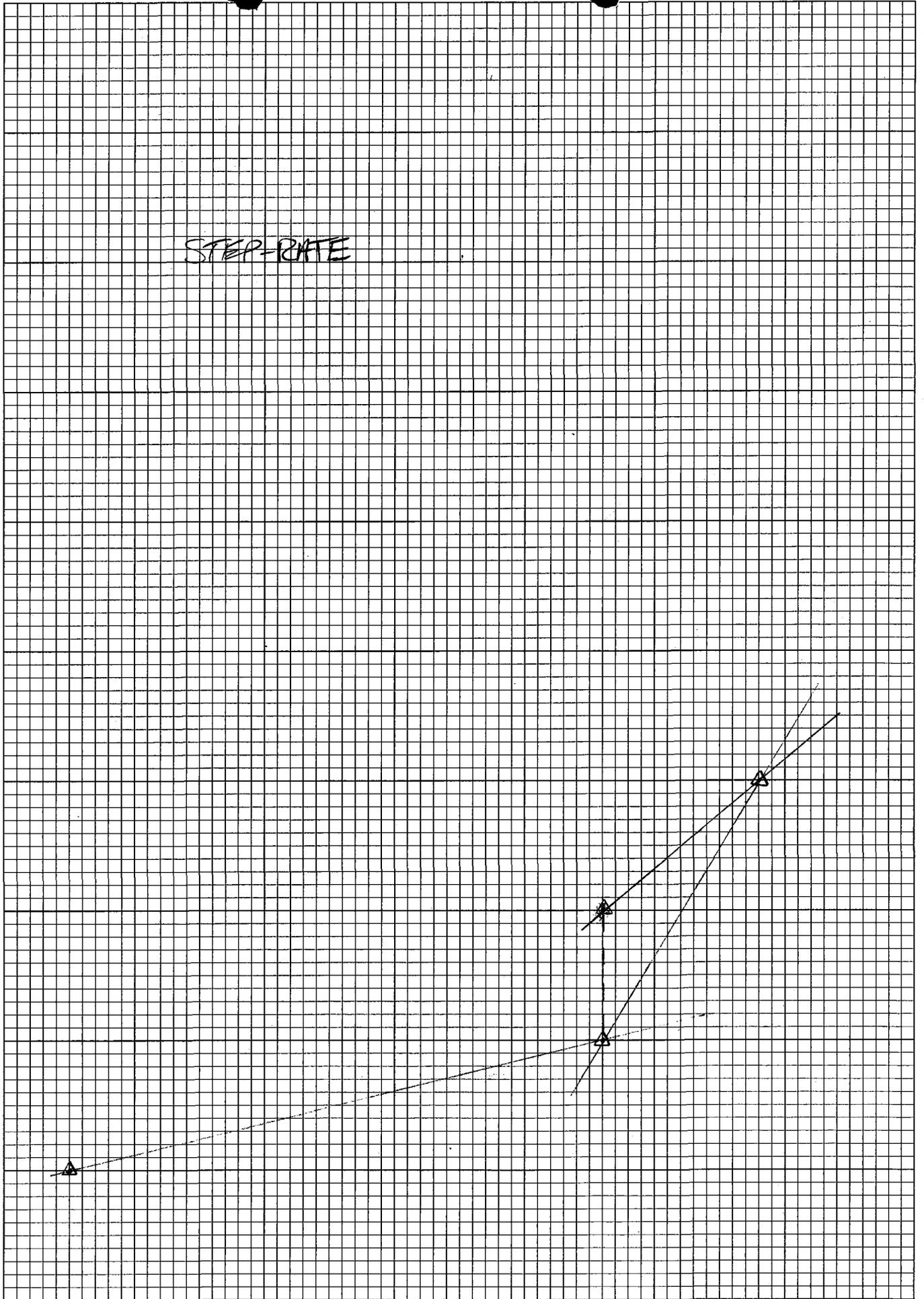
Inj. Rate BPM

1/2

1/4

1100 1200 1300 1400 1500 1600 1700

Inj. Press. PSIG



ALL

R.M. Blincoe

RECEIVED
MAR 27 1987
ROCKY MOUNTAIN
PRODUCTION DISTRICT
DATE: 3-25-87

WATER ANALYSIS REPORT

COMPANY E.P. Operating ADDRESS Denver, CO.

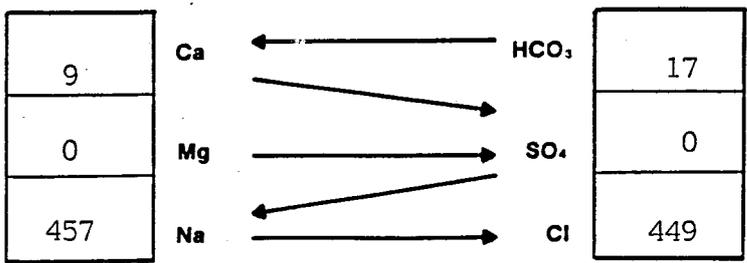
SOURCE Disposal well DATE SAMPLED 3-25-87 ANALYSIS NO. _____

*Southman
Cyn #3
(Sec. 15-10S-23E)*

Analysis	Mg/l (ppm)	*Meq/l
1. PH	6.0	
2. H ₂ S (Qualitative)	4.5	
3. Specific Gravity	1.020	
4. Dissolved Solids		
5. Suspended Solids		
6. Anaerobic Bacterial Count		C/MI
7. Methyl Orange Alkalinity (CaCO ₃)	830	
8. Bicarbonate (HCO ₃)	HCO ₃ 1013	+61 18 HCO ₃
9. Chlorides (Cl)	Cl 15930	+35.5 449 Cl
10. Sulfates (SO ₄)	SO ₄ 0	+48 0 SO ₄
11. Calcium (Ca)	Ca 180	+20 9 Ca
12. Magnesium (Mg)	Mg 0	+12.2 0 Mg
13. Total Hardness (CaCO ₃)	330	
14. Total Iron (Fe)	10.0	
15. Barium (Qualitative)		
16. Phosphate Residuals	31	

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION



Compound	Equiv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04		9		729
Ca SO ₄	68.07				
Ca Cl ₂	55.50				
Mg (HCO ₃) ₂	73.17				
Mg SO ₄	60.19				
Mg Cl ₂	47.62				
Na HCO ₃	84.00		8		672
Na ₂ SO ₄	71.03		0		0
Na Cl	58.46		449		26,249

Saturation Values	Distilled Water 20° C
Ca CO ₃	13 Mg/l
Ca SO ₄ · 2H ₂ O	2,090 Mg/l
Mg CO ₃	103 Mg/l

REMARKS _____

**ENSERCH
EXPLORATION** INC.

475 17th Street
1322 Metrobank Bldg.
Denver, Colorado 80202

June 6, 1984

Lomax Exploration
P.O. Box 4503
333 N. Belt E. Suite 800
Houston, TX 77210

Attn: Jack Pruitt

Re: Notification of Application
for Disposal Well
NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 15, T10S, R23E

Dear Sir:

This letter is written in accordance with Utah State Regulations to inform you that Enserch Exploration, Inc. intends to re-enter the Southman Canyon Unit #3 well located in NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 15, T10S, R23E and transform this well into a water injection well in the Mesa Verde Formation. State regulations require that we inform all lessees of record within one-half ($\frac{1}{2}$) mile of the proposed injection well to allow you an opportunity to file a written complaint to the Oil and Gas Commission if you feel necessary. This complaint must be filed with the Commission within fifteen (15) days from the date our application is filed. We intend to file immediately upon mailing of this letter. It should be noted that Enserch Exploration, Inc. currently has producing wells in the Mesa Verde Formation in Sections 9, 10, 11, 14, 15 and 16 of the same township and range and we feel that no detrimental affects will be seen from the proposed injection well on any of the producing wells in the area.

If you should have any questions concerning our application, please contact me at your convenience.

Sincerely,

B. S. Sherran

B. S. Sherran
Petroleum Engineer

BSS/tjr

Description of Injection Formation

Current expectations are to inject into the Mesa Verde Formation at an interval from 5740' to 6000'. Attached are copies of the logs from the original well over this interval. These beds are thought to consist of fine to medium-grained sandstones with interbedded carbonaceous light to dark gray to olive green siltstones and shales.

AMERICAN WELL SURVEYING CORPORATION

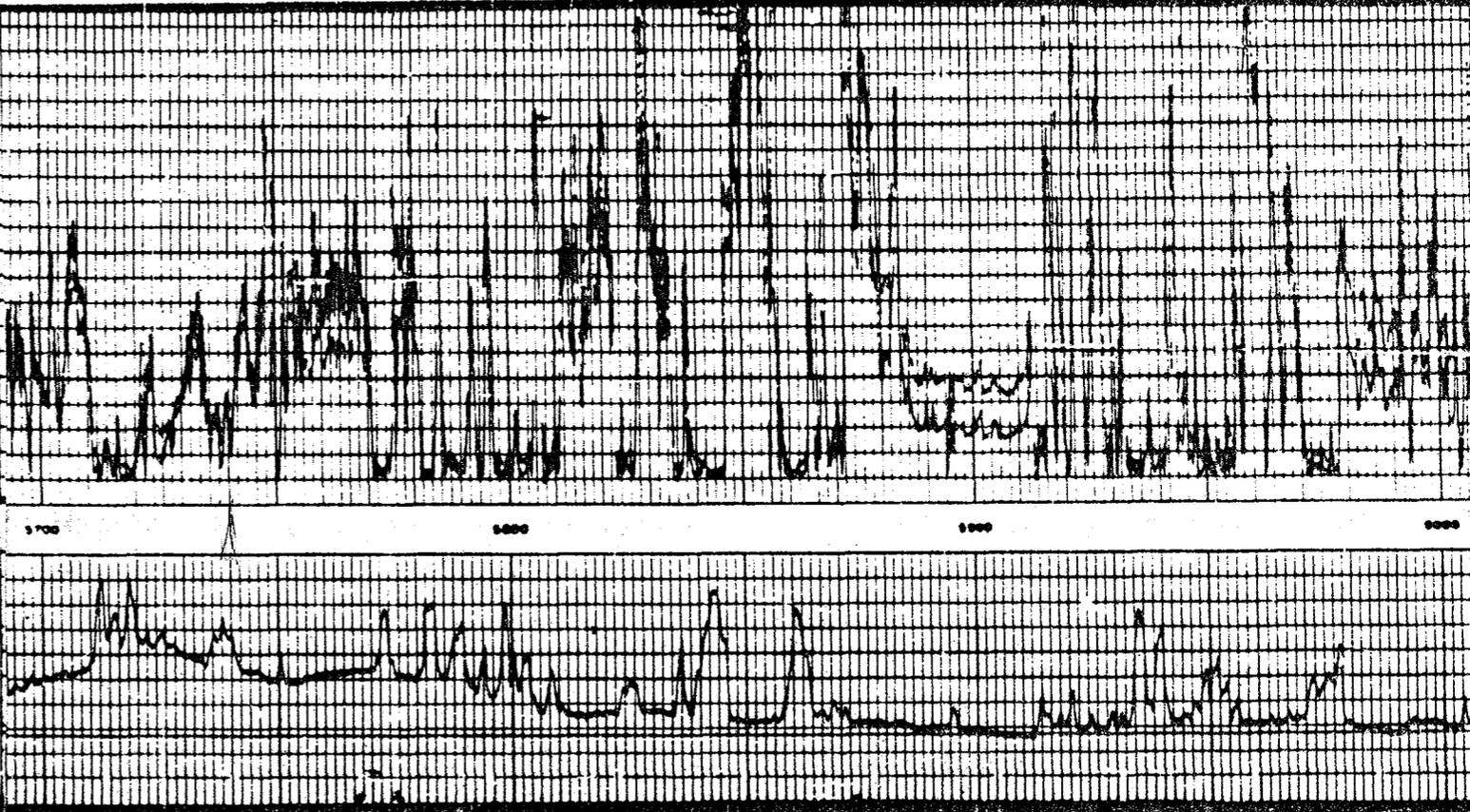
MICROLOGGING

COMPANY EL PASO NATURAL GAS COMPANY	Other Surveys ES, T
WELL SOUTHWAN CANYON #3	Location of Well
FIELD SOUTHWAN CANYON	
LOCATION SEC. 15 10S 23E	
2180' NSL & 400' HEL	Elevation: D.P. 58' or O.I. 22.4'
COUNTY UTAH	PLUNG No. 6 24
STATE UTAH	

RUN No.	ONE	TWO	THREE
1	1-1	1-2	1-3
2	2-1	2-2	2-3
3	3-1	3-2	3-3
4	4-1	4-2	4-3
5	5-1	5-2	5-3
6	6-1	6-2	6-3
7	7-1	7-2	7-3
8	8-1	8-2	8-3
9	9-1	9-2	9-3
10	10-1	10-2	10-3
11	11-1	11-2	11-3
12	12-1	12-2	12-3
13	13-1	13-2	13-3
14	14-1	14-2	14-3
15	15-1	15-2	15-3
16	16-1	16-2	16-3
17	17-1	17-2	17-3
18	18-1	18-2	18-3
19	19-1	19-2	19-3
20	20-1	20-2	20-3

REMARKS RUNS 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20

RESISTIVITY -ohms. m ² /m	RESISTIVITY -ohms. m ² /m
DEPTH	DEPTH
NORTHWEST EXPLORATION COMPANY Suite 1487, 14th Street Denver, CO 80202	NORTHWEST EXPLORATION COMPANY Suite 1487, 14th Street Denver, CO 80202
MICROLOG CALIPER 0 7 8 9 10 11 12 13 14 15 16	MICROLOG CALIPER 0 7 8 9 10 11 12 13 14 15 16



Casing Program

The following casing program and abandonment procedure for the proposed re-entry disposal well were obtained from the attached Sundry Notices for this well.

October 21, 1956	Ran 6 jts. of 9 5/8" 36# J-55 casing and set at 207' with 120 sacks + 2% C _a Cl ₂ . Cement circulated to surface. Tested casing with 500 psi for 30 minutes.
December 4, 1956	Ran 160 jts. 7" 23# J-55 and N-80 casing (6462) set at 6478' with 200 sacks regular cement. Tested for water shut-off with 1200 psi for 12 hours. Top of cement at 5800' by temperature survey.
December 15, 1956	Ran 5" Liner (P-110 18#) landed at 6832'. Cemented with 200 sacks. Cement circulated. Top liner at 6319'.

Abandonment Procedure

November 6, 1966	Spotted 20 sacks cement plug across perfs. (6748-6822'). Pulled tubing. Did not recover any 7" casing.
November 7, 1966	Perf 2 squeeze holes in 7" casing at 840'. Squeezed 40 sacks cement across perfs. at 840'. As per verbal approval from Rodney Smith on 11-5-66.
November 8, 1966	Erected P&A Marker with 10 sacks surface plug.

Re-entry Casing Program

Enserch Exploration, Inc. intends to drill out the 7" casing to a depth of 6200' using Mesa Verde Formation water or mud as required for a drilling fluid. The 7" casing will then be tested to a surface pressure of 3000 psig. using drilling fluid for at least 12 hours. If the casing presently in the hole should fail this test, 5½" J-55 15.5# casing would be run inside the 7" casing to 2600' and cemented to a depth of 4000'. The 5½" casing would then be tested as previously mentioned.

ORIGINAL COPY

Source Water for Disposal Well

Below is a list of wells from which the source water for injection will be obtained. Attached you will find water analyses for produced water from these wells.

Petes Flat Federal #1-1
Section 1, T10S, R23E
Uintah County, Utah

Sage Hen Federal #1-6
Section 6, T10S, R23E
Uintah County, Utah

Flat Mesa Federal #1-7
Section 7, T10S, R23E
Uintah County, Utah

Flat Mesa Federal #2-7
Section 7, T10S, R23E
Uintah County, Utah

Sage Brush Federal #1-8
Section 8, T10S, R23E
Uintah County, Utah

No Name Canyon Federal #1-9
Section 9, T10S, R23E
Uintah County, Utah

Sheepherder Federal #1-10
Section 10, T10S, R23E
Uintah County, Utah

Jack Rabbit Federal #1-11
Section 11, T10S, R23E
Uintah County, Utah

N.S.O. Federal #1-12
Section 12, T10S, R23E
Uintah County, Utah

White River Federal #1-14
Section 14, T10S, R23E
Uintah County, Utah

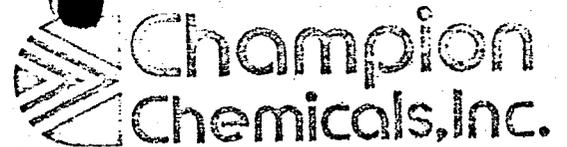
Cliff Edge Federal #1-15
Section 15, T10S, R23E
Uintah County, Utah

Lookout Point State #1-16
Section 16, T10S, R23E
Uintah County, Utah

Crooked Canyon Federal #1-17
Section 17, T10S, R23E
Uintah County, Utah

Canyon View Federal #1-18
Section 18, T10S, R23E
Uintah County, Utah

WATER ANALYSIS REPORT



P.O. Box 752 - Vernal, Utah 84078

P.O. Box 1321 - Rock Springs, Wyoming 82901

CHEMICAL WITH SERVICE

SERVICE LABORATORY: Vernal, Utah Ph. 789-4327
 Rock Springs Wyoming 382-3147
 RESEARCH LABORATORY: Houston, Texas Ph. 433-6771
 PLANT: Odessa, Texas Ph. 362-2353 & 563-0863

REPORT FOR Benny Saiz DATE SAMPLED 2/12/82
 CC _____ DATE REPORTED 2/16/82
 CC _____ FIELD, LEASE, OR WELL _____
 CC _____ COUNTY _____ STATE _____
 COMPANY Ensearch Exploration FORMATION _____
 ADDRESS P.O. Box 108 Vernal, Utah DEPTH _____
 SERVICE ENGINEER Jody Smith SUBMITTED BY _____

CHEMICAL ANALYSIS (GRAVIMETRIC)

Field, Lease, or Well

Chemical Component	1-9	1-12	1-6	1-16	No. 7	1-1
Chloride (Cl)	40,000	41,000	13,000	25,000	35,000	32,000
Iron (Fe)	9	8.5	6.8	95	91	9
Total Hardness (Ca CO ₃)	2,420	1,490	1,400	1,500	970	1,000
Calcium (Ca)	816	452	468	440	320	336
Magnesium (Mg)	92	87	56	97	41	39
Bicarbonate (HCO ₃)	0	0	0	0	0	0
Carbonate (CO ₃)	0	0	0	0	0	0
Sulfate (SO ₄)	2	1.5	3	5	3	2
Hydrogen Sulfide (H ₂ S)	3.0	5.0	2.5	4.5	4.0	1.0
Barium (BA)						
Specific Gravity						
Density, lb./gal.						
pH - Beckman [] Strip []	7.0	7.0	6.0	8.0	6.0	6.0

OTHER DESCRIPTION, REMARKS AND RECOMMENDATIONS

REPORTED BY Stanley Hundwall TITLE Tech Service Representative



Hinta Research and Analytical Services

P.O. BOX 1488 - ROOSEVELT, UTAH 84066

James F. Smith

WATER ANALYSIS REPORT

(801) 722-2532

COMPANY Ensearch Exploration Co. ADDRESS Vernal, Utah DATE 12-17-82
 SOURCE Flat Mesa Federal 2-7 (Virgin Format) DATE SAMPLED 12-82 ANALYSIS NO. W-323

Analysis	Mg/L	*Meq/L
1. PH	<u>7.42</u>	
2. H ₂ S (Qualitative)		
3. Specific Gravity	<u>1.005</u>	
4. Dissolved Solids	<u>3085</u>	
5. Suspended Solids		
6. Phenolphthalein Alkalinity (CaCO ₃)	<u>25</u>	
7. Methyl Orange Alkalinity (CaCO ₃)	<u>100</u>	
8. Bicarbonate (HCO ₃)	HCO ₃ <u>122</u>	÷ 61 <u>2.00</u> HCO ₃
9. Chlorides (Cl)	Cl <u>443</u>	÷ 35.5 <u>12.48</u> Cl
10. Sulfates (SO ₄)	SO ₄ <u>1500</u>	÷ 48 <u>31.25</u> SO ₄
11. Calcium (Ca)	Ca <u>171.36</u>	÷ 20 <u>8.57</u> Ca
12. Magnesium (Mg)	Mg <u>7.78</u>	÷ 12.2 <u>.64</u> Mg
13. Total Hardness (CaCO ₃)	<u>460</u>	
14. Total Iron (Fe)	<u>.45</u>	
15. Barium (Qualitative)		
16. Conductivity	mmHos <u>2050</u>	ppm <u>16,339</u>
*Milli equivalents per liter	.49 RWO <u>28</u> C	

PROBABLE MINERAL COMPOSITION

R_w = 0.155 @ 180°F DHT

Ca	←	HCO ₃	2.00
Mg	→	SO ₄	31.25
Na	←	Cl	12.48
8.57			
.64			
36.52			

Compound	Equiv. Wt. X	Meq/L	= Mg/L
Ca (HCO ₃) ₂	81.04	2.00	162.08
Ca SO ₄	68.07	6.57	447.22
Ca Cl ₂	55.50	0	0
Mg (HCO ₃) ₂	73.17	0	0
Mg SO ₄	60.19	.64	38.52
Mg Cl ₂	47.62	0	0
Na HCO ₃	84.00	0	0
Na ₂ SO ₄	71.03	24.04	1707.56
Na Cl	58.46	12.48	729.58

Saturation Values Distilled Water 20° C
 Ca CO₃ 13 Mg/L
 Ca SO₄ · 2H₂O 2,090 Mg/L
 Mg CO₃ 103 Mg/L

Remarks: _____

Thank you for the business:

SI NO. _____

WATER ANALYSIS

Operator Ensearch Exploration

Date Sampled 5-21-80

Well Sagebrush Federal 1-8

Date Received 5-22-80

Field

Submitted by Bennie Saiz

Location Mesa Verde

Worked by John Kotelec

Depth

Other Description

County Uintah

CHEMICAL DETERMINATIONS

Density 1.025 @ 23° C

pH 6.5

Iron 6 ppm

Hydrogen Sulfide None

Sodium and Potassium _____ ppm

Bicarbonate 1183

Calcium 1520 ppm

Sulfate _____

Magnesium 194 ppm

Phosphate _____

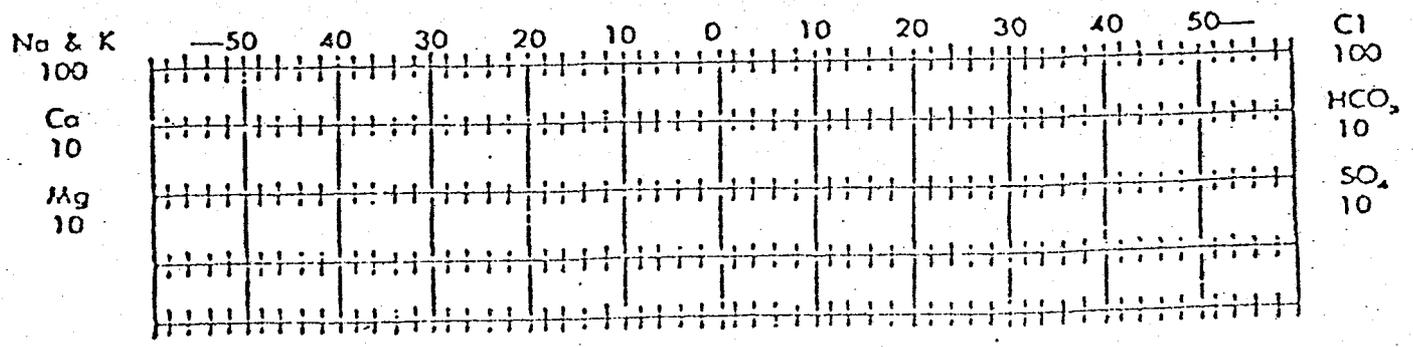
Chloride 21823 ppm
CaCO₃ 4600 ppm

as Sodium Chloride 35899

Resistivity: .19 ohm-meters @ 70° P

Remarks:

for Stiff type plot (in meq./l.)



Per _____

WATER ANALYSIS

Operator Ensearch Exploration

Date Sampled 5-21-80

Well Jack Rabbit Federal 1-11

Date Received 5-22-80

Location Mesa Verde

Submitted by Bennie Saiz

County Uintah

Worked by Richard Hayes

Other Description

CHEMICAL DETERMINATIONS

Density 1.015 @ 24° C

pH 6.9

Iron 2 ppm

Hydrogen Sulfide None

Sodium and Potassium ppm

Bicarbonate 1391 ppm

Calcium 1120 ppm

Sulfate ppm

Magnesium 49 ppm

Phosphate ppm

Chloride 19485 ppm

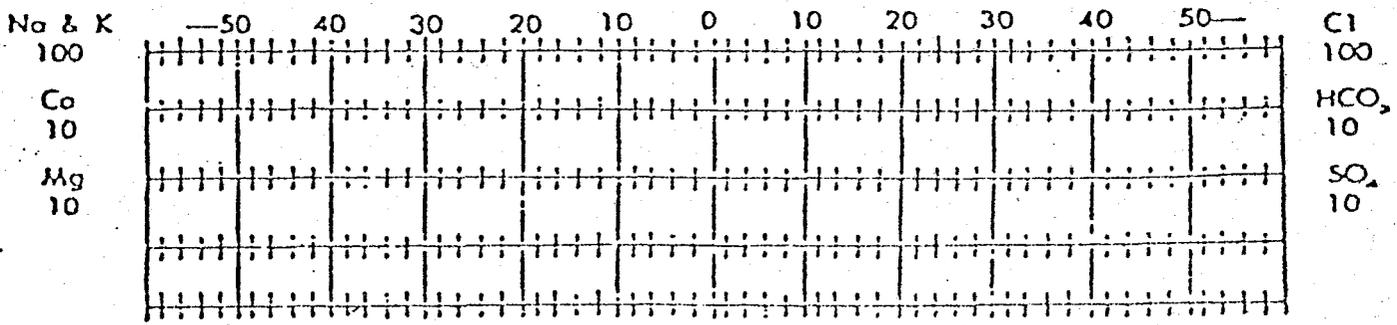
as Sodium Chloride 32053 ppm

CaCO₃ 3000 ppm

Resistivity: .21 ohm-meters @ 70° F

Remarks:

for Stiff type plot (in meq./l.)



Per _____

WATER ANALYSIS

Operator Ensearch Exploration

Date Sampled 5-21-80

Location White River Federal 1-14

Date Received 5-22-80

Section Mesa Verde

Submitted by Bennie Saiz

County Uintah

Worked by John Kotelec

Other Description

CHEMICAL DETERMINATIONS

Density 1.020 @ 24° C

pH 6.7

Iron 7 ppm

Hydrogen Sulfide None

Sodium and Potassium ppm

Bicarbonate 1098

Calcium 1280 ppm

Sulfate

Magnesium 170 ppm

Phosphate

Fluoride 19485 ppm

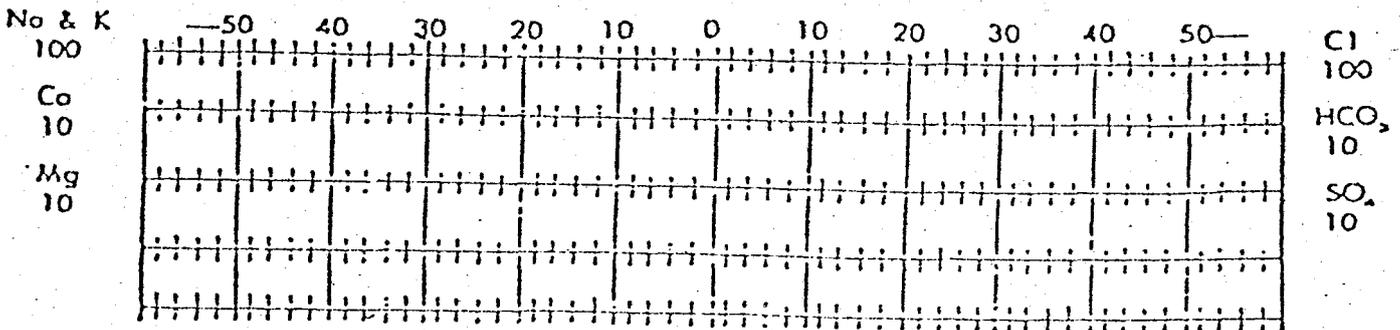
as Sodium Chloride 32052

CaCO₃ 3900 ppm

Resistivity: .21 ohm-meters @ 70° F

Remarks:

For Stiff type plot (in meq./l.)



Per

WATER ANALYSIS

Operator Ensearch Exploration
 Location Cliff Edge Federal 1-15
 State Mesa Verde
 County Uintah

Date Sampled 5-23-80
 Date Received 5-23-80
 Submitted by Bennie Saiz
 Worked by John Kotelec
 Other Description _____

CHEMICAL DETERMINATIONS

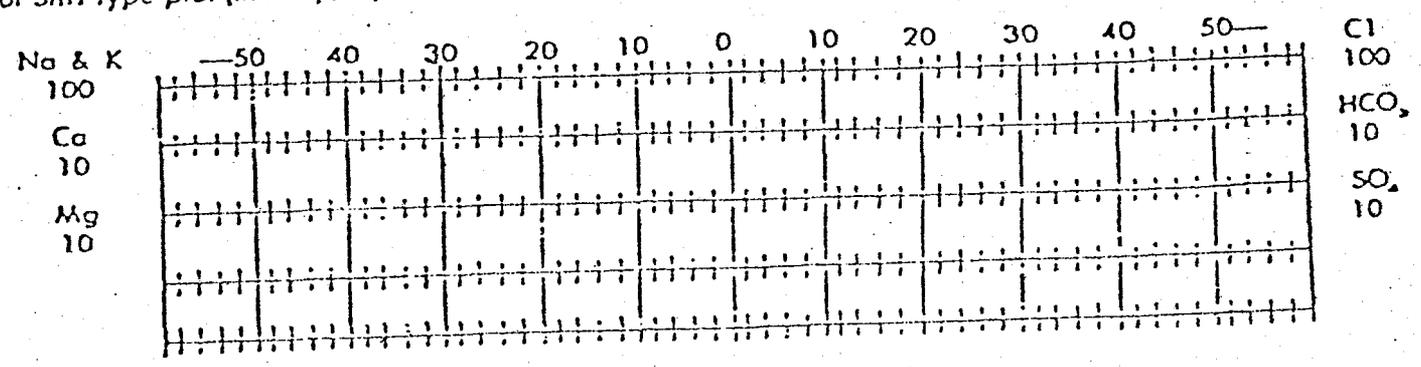
Density 1.015 @ 22° C
 Iron 3 ppm
 Sodium and Potassium _____ ppm
 Calcium 880 ppm
 Magnesium 267 ppm
 Chloride 19875 ppm
 CaCO₃ 3300 ppm

pH 7.1
 Hydrogen Sulfide None
 Bicarbonate 1562 ppm
 Sulfate _____ ppm
 Phosphate _____ ppm
 as Sodium Chloride 32694 ppm

Resistivity: .21 ohm-meters @ 70° F

Remarks: _____

for Stiff type plot (in meq./l.)



Per _____

WATER ANALYSIS

Operator Ensearch Exploration
 Location Crooked Canyon Federal 1-17
 Station Mesa Verde
 County Uintah

Date Sampled 5-22-80
 Date Received 5-22-80
 Submitted by Bennie Saiz
 Worked by Richard Hayes
 Other Description

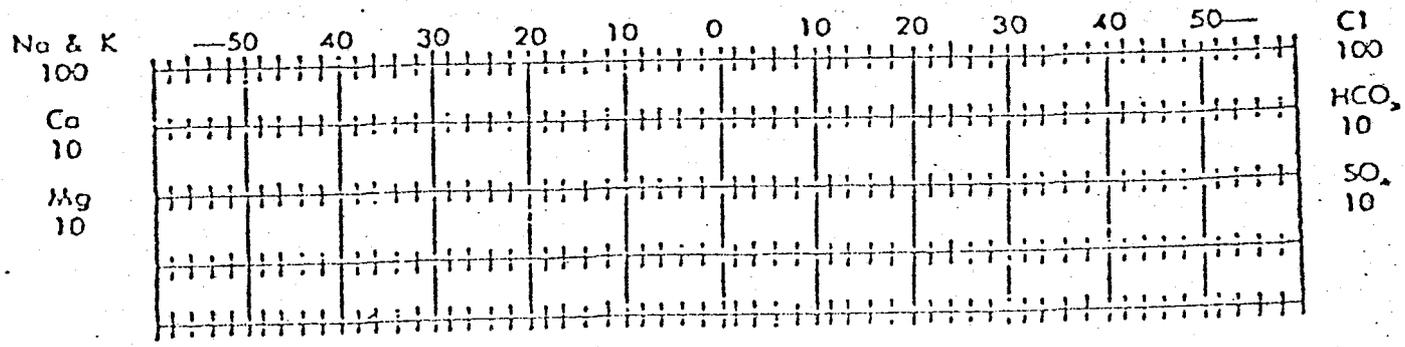
CHEMICAL DETERMINATIONS

Density 1.020 @ 24° C
 pH 6.8
 Iron 1 ppm
 Hydrogen Sulfide None
 Sodium and Potassium ppm
 Bicarbonate 1098 ppm
 Calcium 1120 ppm
 Sulfate ppm
 Magnesium 486 ppm
 Phosphate ppm
 Chloride 20654 ppm as Sodium Chloride 33976 ppm
 CaCO₃ 4800 ppm

Resistivity: .21 ohm-meters @ 70° F

Remarks:

for Stiff type plot (in meq./l.)



Per _____

C-11-B

FORM NO _____

WATER ANALYSIS

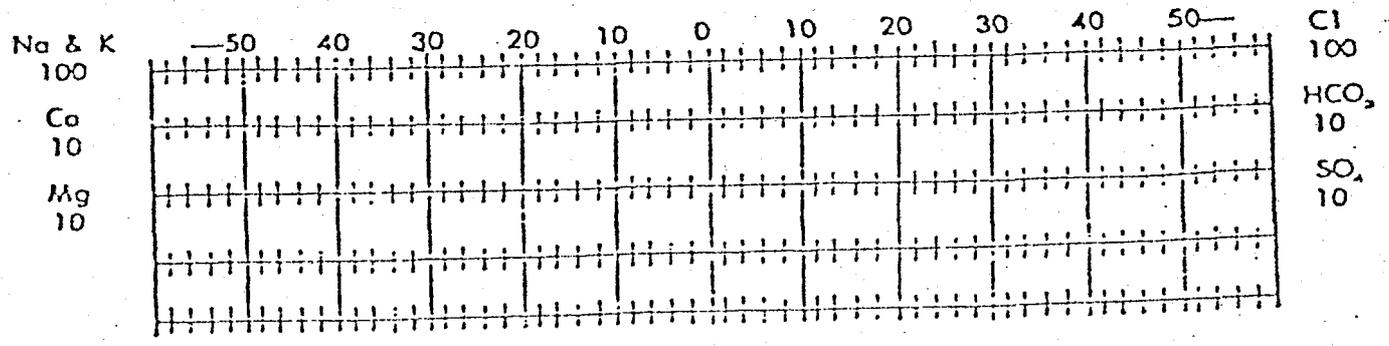
Operator	Ensearch Exploration	Date Sampled	5-21-80
Well	Canyon View Federal 1-18	Date Received	5-22-80
Field		Submitted by	Bennie Saiz
Location	Mesa Verde	Worked by	John Kotelec
Depth		Other Description	
County	Uintah		

CHEMICAL DETERMINATIONS

Density	1.010 @ 24° C	pH	7.0
Iron	2 ppm	Hydrogen Sulfide	None
Sodium and Potassium	11869 ppm	Bicarbonate	1305 ppm
Calcium	480 ppm	Sulfate	>5000 ppm
Magnesium	170 ppm	Phosphate	ppm
Chloride	15198 ppm	as Sodium Chloride	25000 ppm
CaCO ₃	1900 ppm		
Resistivity:	.26 ohm-meters @ 70° F		

Remarks:

for Stiff type plot [in meq./l.]



Per _____

Amount of Water to be Disposed

Current expectations indicate that an average of 100 barrels of water per day will be injected into the disposal well initially. We expect this figure to rise to an average of 500 barrels per day within the next few years. Due to the relatively small amount of water that must be disposed of we expect to run the disposal well intermitantly with a minimum daily injection volume of zero barrels per day and a maximum daily injection volume of approximately 1000 barrels per day.

CHECKLIST FOR INJECTION WELL APPLICATION AND FILE REVIEW
 * * * * *

Operator: Enserch Exploration Well No. #3 Southern Canyon
 County: Utah T 105 R 23E Sec. 15 API# 43-847-15880
 New Well Conversion X Disposal Well X Enhanced Recovery Well

	<u>YES</u>	<u>NO</u>
UIC Forms Completed	<u>✓</u>	<u> </u>
Plat including Surface Owners, Leaseholders, and wells of available record	<u>✓</u>	<u> </u>
Schematic Diagram	<u>✓</u>	<u> </u>
Fracture Information	<u> </u>	<u>✓</u>
Pressure and Rate Control	<u>✓</u>	<u> </u>
Adequate Geologic Information	<u>✓</u>	<u> </u>
Fluid Source	<u> </u>	<u> </u>
Analysis of Injection Fluid	Yes <u>✓</u> No <u> </u>	TDS <u>~90000</u>
Analysis of Water in Formation to be injected into	Yes <u> </u> No <u>✓</u>	TDS <u> </u>
Known USDW in area	<u>Green Base</u>	Depth <u>Down to ~3000'</u>
Number of wells in area of review	<u>1</u> Prod.	<u>1</u> P&A
	Water <u> </u>	Inj. <u> </u>
Aquifer Exemption	Yes <u> </u> NA <u>✓</u>	
Mechanical Integrity Test	Yes <u> </u> No <u>?</u>	
	Date <u>?</u>	Type <u>PT</u>

Comments: Said strat test would be performed, no evidence in file over results.
Should have taken sample from inj. zone of recon. Results not in file.
NO evidence of the pass. test in file

Reviewed by: [Signature]

CHECKLIST FOR INJECTION WELL APPLICATION

UIC Forms	<u>No</u>
Plat	<u>✓</u>
Surface Owners and Lease Holders	<u>✓</u>
Schematic Diagram	<u>No</u>
Frac Gradient Information	<u>No Pressure?</u>
Pressure and Rate Control	<u>No</u>
Fluid Source	<u>✓</u>
Analysis of Injected Fluid	<u>✓</u>
Geologic Information	<u>?</u>
USDW in the Area	<u>?</u>
Analysis of Injected Formation	<u>No</u>
Contingency Plans	<u>?</u>
Mechanical Integrity Test	<u>✓</u>
Aquifer Exemption	<u>?</u>

**ENSERCH
EXPLORATION INC.**

475 17th Street
1322 Metrobank Bldg.
Denver, Colorado 80202

RECEIVED

JUN 14 1984

DIVISION OF OIL
GAS & MINING

June 6, 1984

Utah Division of Oil, Gas and Mining
Department of Natural Resources
4241 State Office Building
Salt Lake City, Utah 84114

Re: Application for Disposal Well
Section 15, T10S, R23E
Uintah County, Utah

Dear Sirs:

The intent of this letter is to file for application to re-enter the Southman Canyon Unit #3 well located in NE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 15, Township 10 South, Range 23 East and complete this well as a water injection well in the Mesa Verde Formation.

In accordance with state regulations, the following is contained in duplicate:

1. Land plat of the location of all oil and gas wells within $\frac{1}{2}$ mile radius of the proposed well.
2. A list of the names of lessees of record within $\frac{1}{2}$ mile radius of the proposed disposal that were notified about this application.
3. Description and depth of the proposed injection formation along with a discription of the typical stratigraphic level of the disposal formation.
4. Description of the casing in the disposal well and a proposed alternate casing program if an adequate casing test cannot be obtained.
5. Proposed method for testing the casing.
6. A list of wells from which the source water will be obtained along with typical water analysis for these wells.
7. An estimation of the minimum and maximum amount of water to be injected daily.

If you should require any further information to approve this application, please contact me at any time.

Sincerely,

A handwritten signature in cursive script that reads "C. E. Rhodes".

C. E. Rhodes
District Production Manager

CER/tjr
Attachment

Lessees of Record Within $\frac{1}{2}$ Mile Radius
of the
Southman Canyon Unit #3

This applicant holds all leases within a $\frac{1}{2}$ mile radius of the proposed re-entry disposal well other than the west half of Section 15, T10S, R23E which is held by Lomax Exploration and Enserch Exploration, Inc. jointly. Attached you will find a copy of the letter of notification to Lomax Exploration. Below are the addresses of the two lessees of record within the $\frac{1}{2}$ mile radius of the proposed disposal well.

Enserch Exploration, Inc.
475 17th Street
Suite 1300
Denver, Colorado 80202

Lomax Exploration
P.O. Box 4503
333 N. Belt E. Suite 800
Houston, Texas 77210



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

June 19, 1984

Enserch Exploration Inc.
475 17th Street
1322 Metrobank Bldg.
Denver, Colorado 80202

Attn: C.E. Rhodes

RE: Application for Disposal Well
Section 15, T10S, R23E
Uintah County, Utah

Gentlemen:

Pursuant to your recent application to convert the above referenced well to a salt water disposal injection well, please provide the following.

- 1) Fill out enclosed forms UIC 1, and Application to Drill.
- 2) Existing and proposed schematic diagrams of the well, including the possible liner.
- 3) Proposed maximum and operating injection pressures.
- 4) Data and calculations showing the proposed injection pressure will not initiate fractures in the confining strata.
- 5) Discuss the pressure and rate control devices to be used.
- 6) What is the areal extent of the injection sands? Can they be correlated in the surrounding wells?
- 7) Estimate the depth to the base of water containing 10,000 or less mg/l total dissolved solids, by using logs or information gained from drilling in the area.
- 8) If not available, a sample of water from the injection zone should be taken during the recompletion and the analysis provided. The Division should be notified in order that a representative can be present to witness and take samples at the time of swabbing the zone.

- 9) Discuss contingency plans for produced water should this well be shutin for any reason.
- 10) The Division should be notified prior to pressure testing of casing to provide an opportunity for witnessing.

If you have any questions concerning this application, please call.

Sincerely,



Gilbert L. Hunt
UIC Geologist

Enclosures

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

(Other instructions on reverse side)

U-38427
5. Lease Designation and Serial No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
 DRILL RE-ENTRY DEEPEN PLUG BACK

b. Type of Well
 Oil Well Gas Well Other Disposal Well Single Zone Multiple Zone

2. Name of Operator
 Enserch Exploration, Inc. (303) 298-8295

3. Address of Operator
 475 17th St., Suite 1300, Denver, Colorado 80202

4. Location of Well (Report location clearly and in accordance with any State requirements.*)
 At surface 2180' FSL, 400' FEL, Sec. 15, T10S, R23E
 At proposed prod. zone same

6. If Indian, Allottee or Tribe Name
 Southman Canyon Unit

7. Unit Agreement Name
 Southman Canyon Unit

8. Farm or Lease Name
 #3

9. Well No.
 Undesignated

10. Field and Pool, or Wildcat
 Sec. 15, T10S, R23E

11. Sec., T., R., M., or Blk. and Survey or Area
 Uintah County, Utah

12. County or Parrish 13. State

14. Distance in miles and direction from nearest town or post office*

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)
 16. No. of acres in lease 640
 17. No. of acres assigned to this well 320

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.
 19. Proposed depth 6200'
 20. Rotary or cable tools Rotary

21. Elevations (Show whether DP, RT, GR, etc.)
 5594' GL
 22. Approx. date work will start* 9/1/84

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
N/A	9 5/8"	36#	207'	120 sks.
8 3/4"	7"	23#	6478'	200 sks.
6 1/8"	5" Liner	18#	6319' - 6832'	200 sks.

The above casing is presently in the hole. We intend to re-enter this well to a total depth of 6200'. The 7" casing will then be tested to 3000 psig. If this pressure test should fail, we will then run 5 1/2" 15.5# casing inside the 7" casing to a depth of 6200' and cement with 130 sks. class "G" cement. A 7 1/16" x 5000# blowout preventer will be installed while drilling out cement plugs.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. Signed C. E. Rhodes Title Dist. Prod. Mgr. Date 7-3-84

(This space for Federal or State office use)

Permit No. _____ Approval Date _____

Approved by _____ Title _____ Date _____
 Conditions of approval, if any:

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING
ROOM 4241 STATE OFFICE BUILDING
SALT LAKE CITY, UTAH 84114
(801) 533-5771
(RULE I-5 & RULE I-4)

FORM NO. DOGM-UIC-1
(Revised 1982)

IN THE MATTER OF THE APPLICATION OF
Enserch Exploration, Inc.

CAUSE NO. _____

ADDRESS 475 17th St., Suite 1300
Denver, Colorado ZIP 80202
INDIVIDUAL _____ PARTNERSHIP _____ CORPORATION
FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR
INJECT FLUID INTO THE Southman Canyon Unit #3 WELL
SEC. 15 TWP. 10S RANGE 23E
Uintah COUNTY, UTAH

ENHANCED RECOVERY INJ. WELL	<input type="checkbox"/>
DISPOSAL WELL	<input checked="" type="checkbox"/>
LP GAS STORAGE	<input type="checkbox"/>
EXISTING WELL (RULE I-4)	<input type="checkbox"/>

APPLICATION

Comes now the applicant and shows the Corporation Commission the following:

1. That Rule I-5 (g) (iv) authorizes administrative approval of enhanced recovery injections, disposal or LP Gas storage operations.
2. That the applicant submits the following information.

Lease Name Southman Canyon Unit	Well No. #3	Field Undesignated	County Uintah
Location of Enhanced Recovery Injection or Disposal Well <u>2180' FSL, 400' FEL</u> Sec. <u>15</u> Twp. <u>10S</u> Rge. <u>23E</u>			
New Well To Be Drilled Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Old Well To Be Converted Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Casing Test Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Date _____	
Depth-Base Lowest Known Fresh Water Within 1/2 Mile <u>3000'</u>	Does Injection Zone Contain Oil-Gas-Fresh Water Within 1/2 Mile YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		State What
Location of Wells in the Bonanza Field Injection Source(s) <u>operated by Enserch</u> <u>T10S, R23E</u>		Geologic Name(s) and Depth of Source(s) <u>Mesa Verde</u>	
Geologic Name of Injection Zone <u>Mesa Verde</u>		Depth of Injection Interval <u>5740</u> to <u>6000</u>	
a. Top of the Perforated Interval: <u>5740'</u>	b. Base of Fresh Water: <u>3000'</u>	c. Intervening Thickness (a minus b) <u>2740'</u>	
Is the intervening thickness sufficient to show fresh water will be protected without additional data? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			
Lithology of Intervening Zones <u>Interbedded sandstone and shales</u>			
Injection Rates and Pressures Maximum <u>1000</u> B/D <u>estimated 3000</u> PSI			
The Names and Addresses of Those to Whom Notice of Application Should be Sent.			
<u>Lomax Exploration - Jack Pruitt</u>			
<u>P.O. Box 4503</u>			
<u>333 N. Belt E. Suite 800</u>			
<u>Houston, Texas 77210</u>			

State of _____)
County of _____)

Before me, the undersigned authority, on this day personally appeared C. E. Rhodes Applicant known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states, that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct.

Subscribed and sworn to before me this 6th day of July, 1984

SEAL Robin Donnerstag

My commission expires 8-31-85

Notary Public in and for COLORADO

(OVER) 670 CODY COURT
DENVER, CO 80215

1. Attach qualitative and quantitative analysis of representative sample of water to be injected and a qualitative and quantitative analysis of the injection formation of water.
2. Attach plat showing subject well and all known oil and gas wells, abandoned, drilling and dry holes within one-half mile, together and with the name of the operator(s).
3. Attach Drillers Log (Form DOGM-UIC-2). (Appropriate Surety must be on file with Conservation Division or appropriate government agencies.)
4. Attach Electric or Radioactivity Log of Subject well (if released).
5. Attach schematic drawing of subsurface facilities including; Size, setting depth, amount of cement used measured or calculated tops of cement surface, intermediate (if any) and production casings; size and setting depth of tubing; type and setting depth of packer; geologic name of injection zone showing top and bottom of injection interval.
6. If the application is for a NEW well the original and six (6) copies of the application and three (3) complete sets of attachments shall be mailed to the Division. For EXISTING well applications (Rule I-4) only ONE copy of the application and ONE complete set of attachments are required to be mailed to the Division.
7. The Division is required to send notice of application to the surface owner of the land within one-half mile of the injection well and to each operator of a producing leasehold within one-half mile of the injection well. List all required names and addresses in the appropriate space provided on the front of this form.
8. Notice that an application has been filed shall be published by the Division in a newspaper of general circulation in the county of publication before the application is approved. The notice shall include the name and address of applicant, location of proposed injection or disposal well, injection zone, injection pressure and volume. If no written objection is received within 15 days from date of publication the application may be approved administratively.
9. A well shall not be used for injection or disposal unless completed machine accounting Form DOGM-UIC-3b is filed by January 31st each year.
10. Approval of this application, if granted, is valid only as long as there is no substantial change in the operations set forth in the application. A substantial operation change requires the approval of a new application.
11. If there is less intervening thickness required by Rule I-5 (b) 4, attach sworn evidence and data.
12. For enhanced recovery projects, information required by Rule I-4 which is common to more than one well, need be reported only once on the application.

CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
Surface	9 5/8"	207'	120	Surface	Circulation
Intermediate	7"	6478'	200	5800'	Temp. Survey
Production	5" Liner	6319'-6832'	200	6319'	Circulation
Tubing	2 7/8"	5690'	Name - Type - Depth of Tubing Packer		
Total Depth	Geologic Name - Inj. Zone	Depth - Top of Inj. Interval	Depth - Base of Inj. Interval		

Mesa Verde

5740'

6000'

WELLBORE DIAGRAM
 for
 DISPOSAL WELL
 Sec. 15, T10S, R23E
 Uintah County, Utah

9 5/8" 36# J-55 casing set at 207'.
 Cement circulated to surface.

40SK @ 5840'
 7" 23# J-55 and N-80 casing set at 6478'.
 Cemented with 200 sks. regular cement.
 Top of cement at 5800' by Temperature Survey.

If 7" casing will not pressure test, will run
 5 1/2" 15.5# J-55 and set at 6200'.
 Will cement to 4000' with 130 sks class "G" cement.

Proposed injection string consisting of 2 7/8"
 6.5# J-55 EUE tubing with packer set approximately
 50' above top perforation of the injection interval.

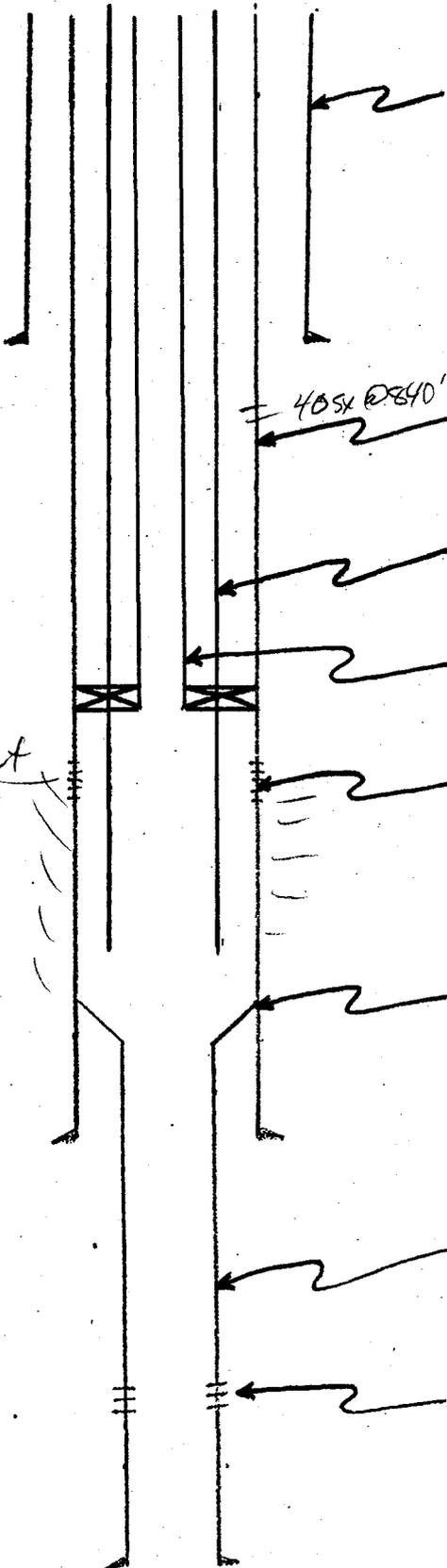
Injection interval 5740'-6000'.

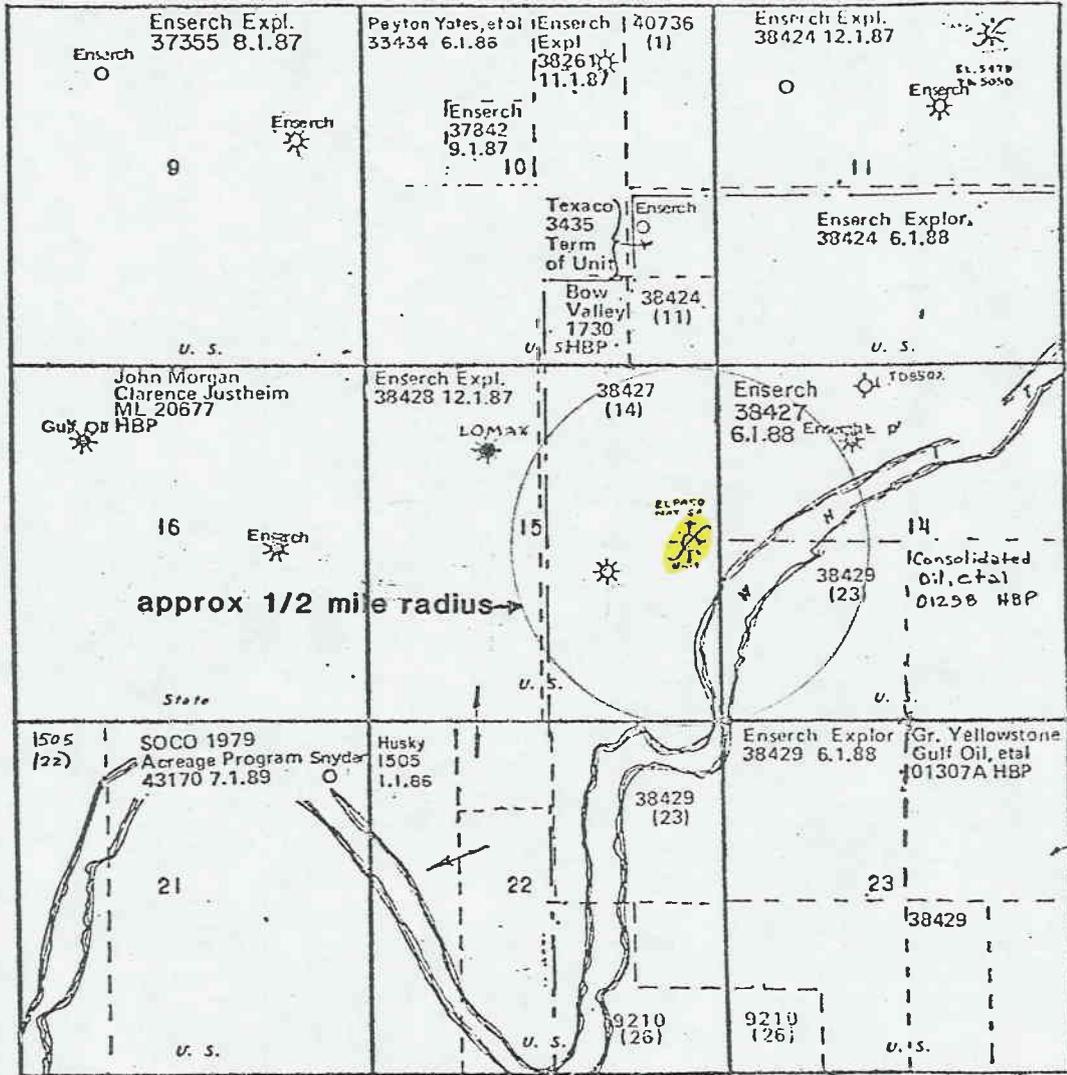
Top of 5" liner at 6319'.

5" 18# P-110 liner lands at 6832'.
 Cemented with 200 sks. cement.
 Cement circulated.

Abandoned perforation (6748'-6822') with 20 sks.
 plug across perfs.

*Top casing
 5800'*





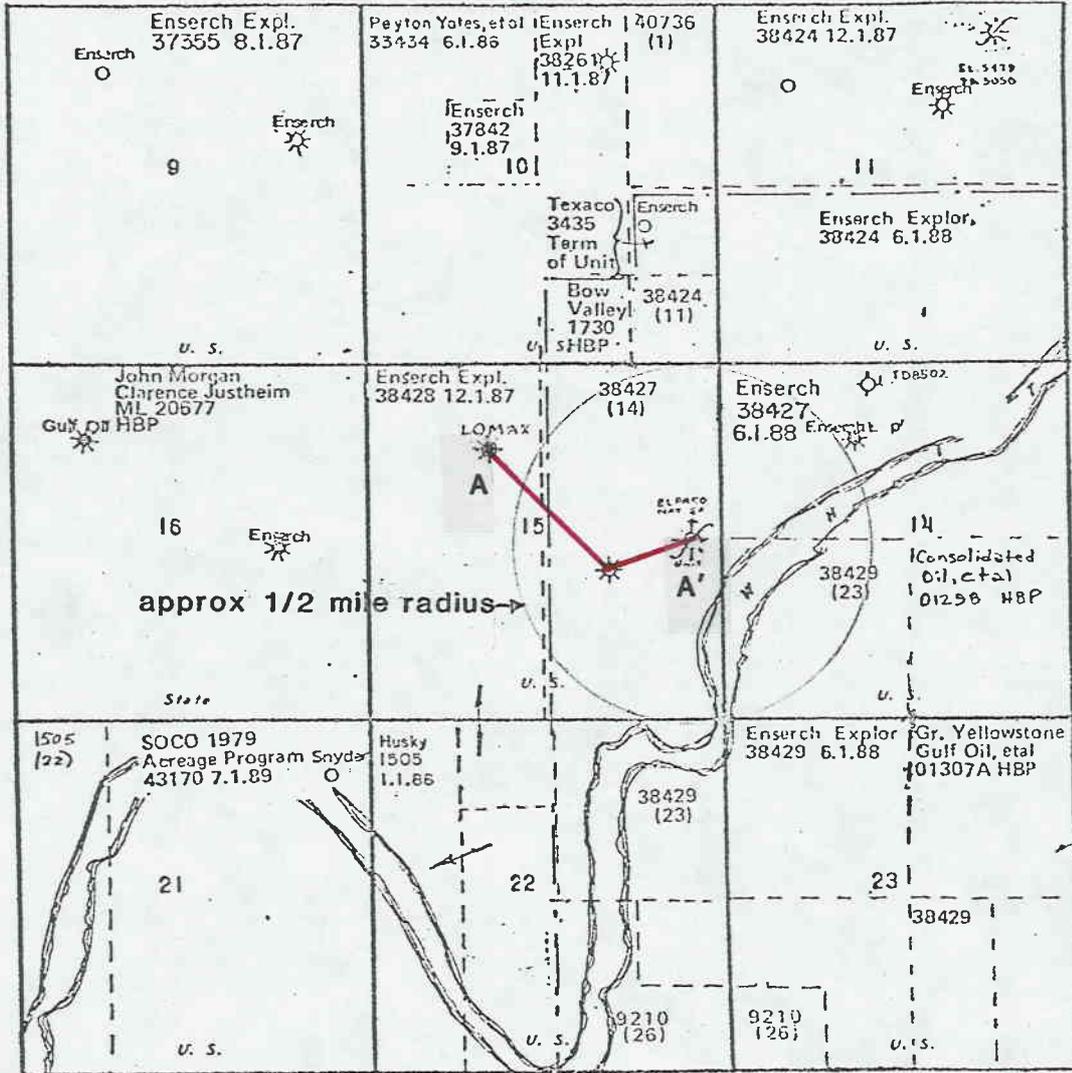
T
10
S

Land Plat For Proposed Disposal Well



Proposed Reentry Disposal Well
2180' FSL 400' FEL
Sec 15 T10S R23E

ENSERCH EXPLORATION INC	
Portion of Uinta County, Utah	
PROSPECT NAME: <u>Bonanza</u>	
EXPLORATION: <u>Rocky Mountain</u> AREA	
LAND: <u>Rocky Mountain</u> AREA	
Scale 1" = 3,000'	Date: 5/21/1984



T
10
S

Land Plat For Proposed Disposal Well

A—A' Cross Section

☼ Proposed Reentry Disposal Well
 2180' FSL 400' FEL
 Sec 15 T10S R23E

ENSERCH EXPLORATION INC	
Portion of Uinta County, Utah	
PROSPECT NAME: <u>Bonanza</u>	
EXPLORATION: <u>Rocky Mountain</u>	AREA
LAND: <u>Rocky Mountain</u>	AREA
Scale 1"=3,000'	Date: 5/21/1984

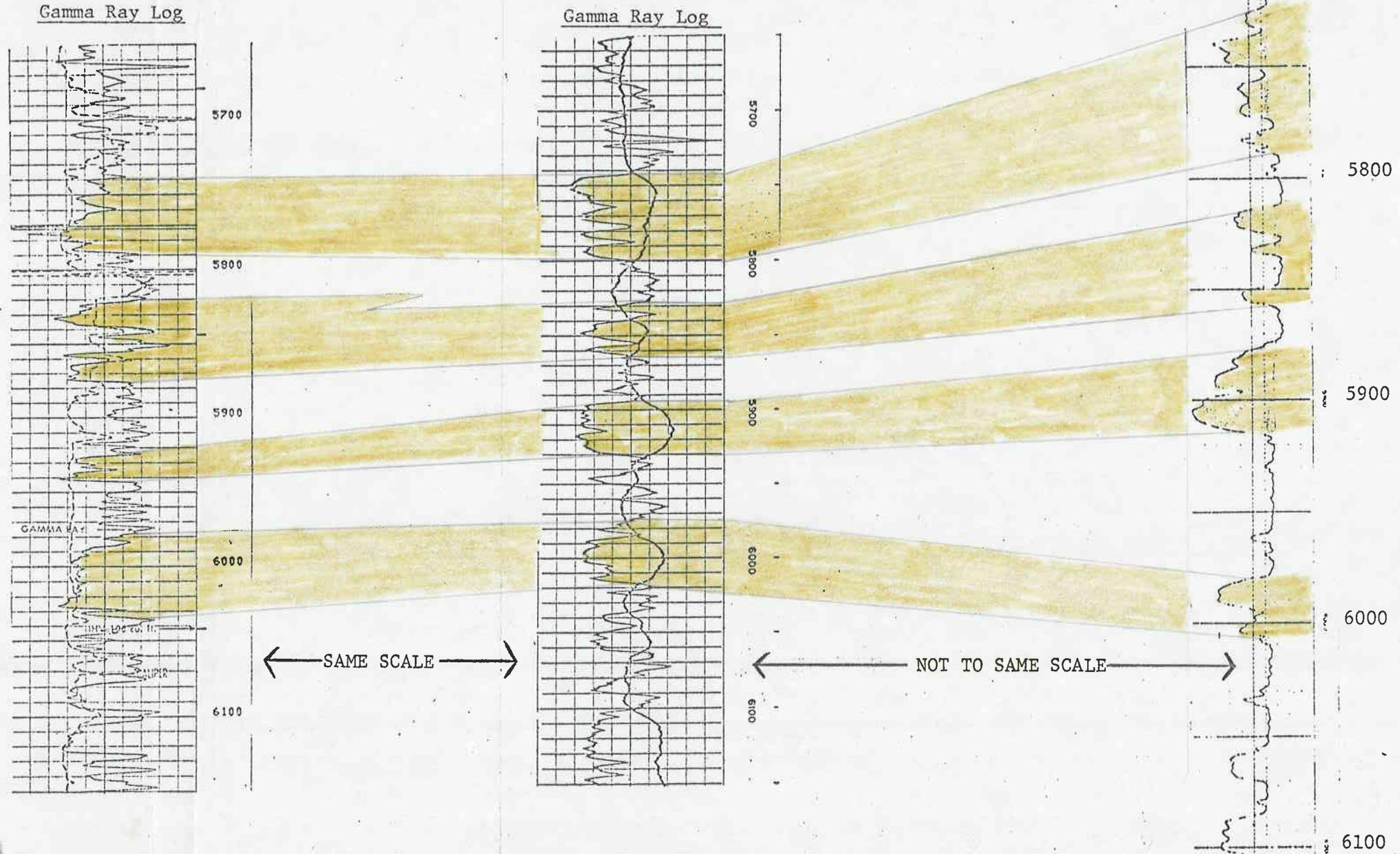
CROSS SECTION A-A'

Southman Canyon Unit #3
 2180' FSL, 400' FEL
 Sec. 15, T10S, R23E

Federal #3-15
 1225' FNL, 2001' FWL
 Sec. 15, T10S, R23E

Cliff Edge Federal #1-15
 1616' FWL, 1998' FSL
 Sec. 15, T10S, R23E

Spontaneous Potential Log



DIVISION OF OIL
 GASES & MINING

JUL 10 1984

RECEIVED

A

A'

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH

---ooOoo---

IN THE MATTER OF THE APPLICATION : CAUSE NO. UIC-040
OF ENSERCH EXPLORATION, INC., :
FOR ADMINISTRATIVE APPROVAL :
TO DISPOSE SALT WATER INTO WELL :
NO. 3, SOUTHMAN CANYON UNIT, :
SECTION 15, TOWNSHIP 10 SOUTH, :
RANGE 23 EAST, UINTAH COUNTY, UTAH :

---ooOoo---

THE STATE OF UTAH TO ALL INTERESTED PARTIES IN THE ABOVE ENTITLED
MATTER.

Notice is hereby given that Enserch Exploration, Inc., 475 17th
Street, Suite 1322, Denver, Colorado 80202, has requested administrative
approval from the Division to convert the No. #3, Southman Canyon Unit,
well located in the NE1/4 SE1/4, Section 15, Township 10 South, Range 23
East, Uintah County, Utah to a salt water disposal well as follows:

INJECTION INTERVAL: Mesaverde 5740' to 6000'
MAXIMUM INJECTION PRESSURE: 3000 psi
MAXIMUM INJECTION RATE: 1000 Barrels per day

This application will be granted unless objections are filed with the
Division of Oil, Gas and Mining within fifteen days after publication of
this Notice. Objections, if any, should be mailed to: Division of Oil,
Gas and Mining, 4241 State Office Building, Salt Lake City, Utah 84114.

DATED this 16th day of July, 1984.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING


MARJORIE L. LARSON
Administrative Assistant

**ENSERCH
EXPLORATION INC.**

475 17th Street
Suite 1322, Metrobank Bldg.
Denver, Co 80202

ROCKY MOUNTAIN DISTRICT
C. E. Rhodes
District Production Manager

July 3, 1984

RECEIVED

JUL 10 1984

State of Utah Natural Resources
Oil, Gas and Mining
4241 State Office Building
Salt Lake City, Utah 84114

**DIVISION OF OIL
GAS & MINING**

Attn: Gilbert Hunt

Re: Application for Disposal Well
Section 15, T10S, R23E
Uintah County, Utah

Sir:

Enclosed you will find the data you requested in response to our application to re-enter the above captioned well and complete it as a salt water disposal well. If you should require any additional information, please advise.

Sincerely,



C. E. Rhodes
District Production Manager

CER/tjr
Enc.

REQUESTED DATA

1. UIC-1 and Application to Drill (Attached).
2. Wellbore Diagram.

Attached you will find a wellbore diagram showing the casing presently in the hole and a proposed alternate string of 5½" casing that will be run if the 7" casing in the hole should fail a pressure test of 3000 psig. The proposed tubing and packer placement are also shown for your information.

3. We have estimated that a maximum injection pressure of 3000 psig. may be required at some time in the future but expect initial operating injection pressures to be approximately 1000 psig. Enserch Exploration, Inc. intends to perform a step rate injection test prior to completion of this well to determine actual operating injection pressures. This test will allow us to provide you with accurate estimates of expected operating pressures.
4. Experience in this area has shown Enserch that shales surrounding the sands in the Mesa Verde Formation do act as competent barriers provided that they are not less than 20'-30' thick. This has been established by use of Temperature Surveys after fracture stimulations that have been performed on surrounding wells. We have also found that if any fracture migration does occur it tends to be in an upward direction. Based on this information, we would conclude that no problems with fracture containment will be encountered in this well since the interval is bounded by at least 350' of shale above, and 50' of shale below the injection interval. Nevertheless Enserch intends to run temperature surveys during the previously mentioned injection test to confirm that any fractures created will be contained. This will provide the insurance needed that no oil, gas or fresh water bearing zones will be harmed.
5. To prevent against exceeding the maximum pressures and rates assigned to this disposal system the following control devices will be used.
 - A. Automatic low-level kill switch to be installed in storage facilities to kill engine when liquid level in the tanks are below minimum level to prime pumps.
 - B. Automatic high-low pressure kill switch down stream of the pumps to kill engine if the pressure exceeds the set maximum or if the pressure is below the set minimum. This will then shut down the injection system when either the pump pressure has exceeded the maximum or if a leak has developed and pump pressure is lost.

- C. High RPM kill switch to shut down injection system if the maximum allowed rate has been exceeded.

The precise settings of the above mentioned controll devices will be made during initial start-up of the disposal system and will be maintained on a regular basis.

6. Enclosed you will find a cross-section showing correlation of the injection interval across Section 15, T10S, R23E. These sands are shown to be correlated in two (2) nearby wells. (See attached Land Plat). Based on this information we can conclude that the areal extent of the injection interval is sufficient enough not to pose any problems.
7. The depth to the base of water bearing formation containing 10,000 ppm or less total dissolved solids is estimated at approximately 3000'. Enserch Exploration has drilled 13 wells in the immediate vicinity with no encounter of fresh water below this depth.
8. Since an analysis of water from the injection interval is not available, a sample will be obtained during completion and an analysis will be provided to the Utah Division of Oil, Gas and Mining. The division will be notified in order that a representative can be present to witness the sampling.
9. Should the disposal well become inoperable for any reason, produced water would then be disposed of by trucking it to an approved water disposal pit.
10. Enserch Exploration, Inc. will notify the Division of Oil, Gas and Mining prior to pressure testing the casing to provide an opportunity for witnessing.



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

July 17, 1984

Vernal Express
Legal advertizing
Vernal, Utah 84078

RE: UIC-040

Gentlemen:

Attached hereto is a Notice of Application of Administrative Approval, before the Division of Oil, Gas and Mining, Department of Natural Resources, State of Utah.

It is requested that this notice be published ONCE ONLY, as soon as possible but no later than the 26th day of July. In the event that said notice cannot be published by this date, please notify this office immediately by calling 533-5771.

Upon completion of this request, please send proof of publication and statement of cost to the Division of Oil, Gas and Mining, 4241 State Office Building, Salt Lake City, Utah 84114.

Very truly yours,
DIVISION OF OIL, GAS AND MINING

Marjorie L. Larson
for
MARJORIE L. LARSON
Administrative Assistant

Publication was sent to:

Vernal Express
Newspaper Agency

Lomax
333 N. Belt E #800
Houston, Texas 77210-4503

Bow Valley
PO Drawer 130
Roosevelt, Utah 84066

Consolidated Oil and Gas
1860 Lincoln Street #1300
Denver, Colorado 80295

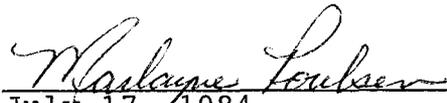
Bureau of Land Management
170 South 500 East
Vernal, Utah 84078

Enserch Exploaration, Inc.
475 17th Street Suite 1322 Metrobank Bldg.
Denver, Colorado 80202

Utah State Department of Health
Water Pollution Control
Attn: Jerry Riding
150 W N Temple
Salt Lake City, Utah 84114

U.S. Environmental Protection Agency
1860 Lincoln Street
Attn: Mike Streiby
Denver, Colorado 80295

Bureau of Land Management
Branch of Fluid Minerals
U-(922)
University Club Building
136 East South Temple
Salt Lake City, Utah 84111
% Ed Gwynn


July 17, 1984



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

July 17, 1984

Newspaper Agency
143 South Main
Legal Advertizing
Mezzanine Floor
Salt Lake City, Utah 84111

RE: UIC-040

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Very truly yours,
DIVISION OF OIL, GAS AND MINING

Marjorie Larson
for
MARJORIE L. LARSON
Administrative Assistant



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
VERNAL DISTRICT OFFICE
170 South 500 East
Vernal, Utah 84078

file

IN REPLY
REFER TO:

3100 O&G
U-01298

July 25, 1984

Enserch Exploration, Inc.
475 17th Street
1322 Metrobank Bldg.
Denver, CO 80202

RECEIVED

JUL 27 1984

DIVISION OF OIL
GAS & MINING

Re: Application for Disposal Well
Southman Canyon Unit #3
NE/SE Sec. 15, T10S, R23E
Uintah County, Utah
Lease U-01298

Gentlemen:

In reviewing your application for a disposal well approval, it was noted that a number of items were not discussed in the application along with several items this office needs in order to consider approving your application.

1. As required by the Conservation Division Manual 644.7.3K, Disposal of Produced Water, Enserch Exploration must obtain a Special Land Use Permit prior to commencing any work on the referenced well. Your contact person for this would be Tom Steger in the Bookcliffs Resource Area at (801) 789-1362.
2. This well was plugged and abandoned during November, 1966, with the casing cut-off below ground level. In your application, you make no mention of what will be used for a wellhead. This office wishes to know more about your plans in this regard.
3. In the application, you state that your injection interval will be from 5,740 - 6,000 feet, yet the top of cement is estimated to be at 5,800 feet.

Would you please inform this office on how you intend to provide adequate cement behind the 7" casing, plus how you intend to check the cement top, bond, etc.

4. As per NTL-2B, Section II, Part 9, Enserch Exploration needs to inform this office of its plans for monitoring the system to assure that injection is confined to the injection interval.

Should you have any questions regarding this matter, please contact Jerry Kenczka at (801) 789-1362. Your cooperation will be greatly appreciated.

Sincerely,



Lloyd H Ferguson
District Manager

cc: Utah State Office,
Division of Oil, Gas & Mining

3100 O&G.
U-01298

July 25, 1984

Enserch Exploration, Inc.
475 17th Street
1322 Metrobank Bldg.
Denver, CO 80202

Re: Application for Disposal Well
Southman Canyon Unit #3
NE/SE Sec. 15, T10S, R23E
Uintah County, Utah
Lease U-01298

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Should you have any questions regarding this matter, please contact Jerry Kenczka at (801) 789-1362. Your cooperation will be greatly appreciated.

Sincerely,



Lloyd H Ferguson
District Manager

cc: Utah State Office,
Division of Oil, Gas & Mining

JKenczka/blc

RECEIVED

JUL 27 1984

DIVISION OF OIL,
GAS & MINING

PROOF OF PUBLICATION

BEFORE THE
DIVISION OF OIL,
GAS AND MINING
DEPT. OF NATURAL
RESOURCES STATE
OF UTAH

In the matter of the application of Enserch Exploration, Inc., for administrative approval to dispose salt water into Well No. 3, Southman Canyon Unit, Section 15, Township 10 South, Range 23 East, Uintah County, Utah.

Cause No. UIC-040

The state of Utah to all interested parties in the above entitled matter.

Notice is hereby given that Ensearch Exploration, Inc., 475 17th Street, Suite 1322, Denver, Colorado 80202, has requested administrative approval from the Division to convert the No. 3, Southman Canyon Unit, well located in the NE 1/4 SE 1/4, Section 15, Township 10 South, Range 23 East, Uintah County, Utah to a salt water disposal well as follows:

Injection interval: Mesaverde 5740' to 6000'

Maximum injection pressure: 3000 psi

Maximum injection rate: 1000 Barrels per day

This application will be granted unless objections are filed with the Division of Oil, Gas and Mining within fifteen days after publication of this Notice. Objections, if any, should be mailed to: Division of Oil, Gas and Mining, 4241 State Office Building, Salt Lake City, Utah 84114.

Dated this 16th day of July, 1984.

STATE OF UTAH
DIVISION OF OIL, GAS
AND MINING

MARJORIE L. LARSON
Administrative Assistant

Published in the Vernal
Express July 20, 1984.

STATE OF UTAH, }
County of Uintah } ss.

I, Janet B. Stevens,

being duly sworn, depose and say, that I am the Business Manager of The Vernal Express, a semi-weekly newspaper of general circulation, published twice each week at Vernal, Utah, that the notice attached hereto was published in said newspaper

for one consecutive publications,

the first publication having been made on

the 20th day of July, 1984

and the last on the _____ day of

_____, 19____, that said notice

was published in the regular and entire issue of every number of the paper during the period and times of publication, and the same was published in the newspaper proper and not in a supplement.

By Janet B. Stevens
Manager

Subscribed and sworn to before me,

this 20th day of July

A. D. 1984

Jack R. Hall
Notary Public, Residence, Vernal, Utah

My Commission expires June 10, 1985

RECEIVED

JUL 27 1984

DIVISION OF OIL
GAS & MINING

BEFORE THE
DIVISION OF OIL,
GAS AND MINING
DEPT. OF NATURAL
RESOURCES STATE
OF UTAH

PROOF OF PUBLICATION

STATE OF UTAH, }
County of Uintah } ss.

In the matter of the application of Enserch Exploration, Inc., for administrative approval to dispose salt water into Well No. 3, Southman Canyon Unit, Section 15, Township 10 South, Range 23 East, Uintah County, Utah.

I, Janet B. Stevens,

Cause No. UIC-040

being duly sworn, depose and say, that I am the Business Manager of The Vernal Express, a semi-weekly newspaper of general circulation, published twice each week at Vernal, Utah, that the notice attached hereto was published in said newspaper

The state of Utah to all interested parties in the above entitled matter.

for ~~one~~ consecutive publications,

Notice is hereby given that Ensearch Exploration, Inc., 475 17th Street, Suite 1322, Denver, Colorado 80202, has requested administrative approval from the Division to convert the No. 3, Southman Canyon Unit, well located in the NE 1/4 SE 1/4, Section 15, Township 10 South, Range 23 East, Uintah County, Utah to a salt water disposal well as follows:

the first publication having been made on

the ~~20th~~ day of ~~July~~, 19~~84~~.

Injection interval: Mesaverde 5740' to 6000'

Maximum injection pressure: 3000 psi

Maximum injection rate: 1000 Barrels per day

and the last on the day of

....., 19....., that said notice

This application will be granted unless objections are filed with the Division of Oil, Gas and Mining within fifteen days after publication of this Notice. Objections, if any, should be mailed to: Division of Oil, Gas and Mining, 4241 State Office Building, Salt Lake City, Utah 84114.

was published in the regular and entire issue of every number of the paper during the period and times of publication, and the same was published in the newspaper proper and not in a supplement.

By Janet B. Stevens
Manager

Dated this 16th day of July, 1984.

Subscribed and sworn to before me,

this ~~20th~~ day of ~~July~~.....

A. D. 19~~84~~....

STATE OF UTAH
DIVISION OF OIL, GAS
AND MINING

Jack R. Halli
Notary Public, Residence, Vernal, Utah

MARJORIE L. LARSON
Administrative Assistant

Published in the Vernal Express July 20, 1984.

My Commission expires June 18, 1985

Affidavit of Publication

RECEIVED
ADM-358

AUG 3 1984

DIVISION OF OIL
GAS & MINING

STATE OF UTAH,
County of Salt Lake

ss.

..... Cheryl , Gierloff

BEFORE THE DIVISION OF
OIL, GAS AND MINING
DEPARTMENT OF
NATURAL RESOURCES
STATE OF UTAH
CAUSE NO. UIC-040

IN THE MATTER OF THE AP-
PLICATION OF ENSERCH EX-
PLORATION, INC., FOR AD-
MINISTRATIVE APPROVAL
TO DISPOSE SALT WATER
INTO WELL NO. 3, SOUTHMAN
CANYON UNIT, SECTION 15,
TOWNSHIP 10 SOUTH RANGE
23 EAST, UINTAH COUNTY,
UTAH.

THE STATE OF UTAH TO
ALL INTERESTED PARTIES IN
THE ABOVE ENTITLED MAT-
TER.

Notice is hereby given that
Enserch Exploration, inc., 475
17th Street, Suite 1322, Denver,
Colorado 80202, has requested
administrative approval from
the Division to convert the No.
#3, Southman Canyon Unit, well
located in the NE 1/4 SE 1/4,
Section 15, Township 10 South,
Range 23 East, Uintah County,
Utah to a Salt water disposal
well as follows:

INJECTION INTERVAL:
Mesaverde 5740' to 6000'
MAXIMUM INJECTION PRES-
SURE:
3000 psi
MAXIMUM INJECTION RATE:
1000 Barrels per day

This application will be grant-
ed unless objections are filed
with the Division of Oil, Gas and
Mining within fifteen days after
publication of this Notice. Ob-
jections, if any, should be
mailed to: Division of Oil, Gas
and Mining, 4241 State Office
Building, Salt Lake City, Utah
84114.

DATED this 16th day of July,
1984.

STATE OF UTAH
DIVISION OF OIL,
GAS AND MINING
MARJORIE L. LARSON
Administrative Assistant

E-16

Being first duly sworn, deposes and says that he/she is
legal advertising clerk of THE SALT LAKE TRIBUNE,
a daily newspaper printed in the English language with
general circulation in Utah, and published in Salt Lake
City, Salt Lake County, in the State of Utah, and of the
DESERET NEWS, a daily newspaper printed in the
English language with general circulation in Utah, and
published in Salt Lake City, Salt Lake County, in the
State of Utah.

That the legal notice of which a copy is attached hereto
Cause No. UIC-040 - Application of Enserch
Exploration, Inc.

..... was published in said newspaper on

..... July 23, 1986

Cheryl Gierloff
Legal Advertising Clerk

Subscribed and sworn to before me this 1st day of

..... August A.D. 19 84

.....
Notary Public

My Commission Expires

..... July 23, 1986

Affidavit of Publication

RECEIVED

ADM-35B

AUG 3 1984

DIVISION OF OIL
GAS & MINING

STATE OF UTAH,
County of Salt Lake

ss.

..... Cheryl, Sierloff

BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH CAUSE NO. UIC-040

IN THE MATTER OF THE APPLICATION OF ENSERCH EXPLORATION, INC., FOR ADMINISTRATIVE APPROVAL TO DISPOSE SALT WATER INTO WELL NO. 3, SOUTHMAN CANYON UNIT, SECTION 15, TOWNSHIP 10 SOUTH, RANGE 23 EAST, UINTAH COUNTY, UTAH.

THE STATE OF UTAH TO ALL INTERESTED PARTIES IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that Enserch Exploration, Inc., 475 17th Street, Suite 1322, Denver, Colorado 80202, has requested administrative approval from the Division to convert the No. #3, Southman Canyon Unit, well located in the NE 1/4 SE 1/4, Section 15, Township 10 South, Range 23 East, Uintah County, Utah to a salt water disposal well as follows:

INJECTION INTERVAL: Mesaverde 5740' to 6000'

MAXIMUM INJECTION PRESSURE: 3000 psi

MAXIMUM INJECTION RATE: 1000 Barrels per day

This application will be granted unless objections are filed with the Division of Oil, Gas and Mining within fifteen days after publication of this Notice. Objections, if any, should be mailed to: Division of Oil, Gas and Mining, 4241 State Office Building, Salt Lake City, Utah 84114.

DATED this 16th day of July, 1984.

STATE OF UTAH
DIVISION OF OIL,
GAS AND MINING
MARJORIE L. LARSON
Administrative Assistant

E-16

Being first duly sworn, deposes and says that he/she is legal advertising clerk of THE SALT LAKE TRIBUNE, a daily newspaper printed in the English language with general circulation in Utah, and published in Salt Lake City, Salt Lake County, in the State of Utah, and of the DESERET NEWS, a daily newspaper printed in the English language with general circulation in Utah, and published in Salt Lake City, Salt Lake County, in the State of Utah.

That the legal notice of which a copy is attached hereto

..... Cause No. UIC-040 - Application of Enserch

..... Exploration, Inc.

..... was published in said newspaper on

..... July 23, 1986

Cheryl Sierloff
Legal Advertising Clerk

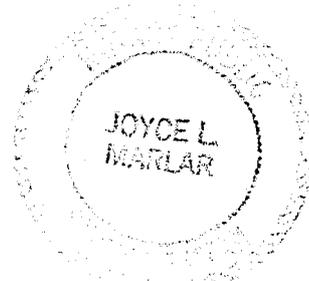
Subscribed and sworn to before me this 1st day of

..... August A.D. 19 84

Joyce L. Marlars
Notary Public

My Commission Expires

..... July 23, 1986





STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

August 20, 1984

Enserch Exploration, Inc.
475 17th Street, Suite 1300
Denver, Colorado 80202

Gentlemen:

RE: Injection Well Approval - Cause No. UIC-040
Well No. #3 Southman Canyon Unit
Sec. 15, T10S, R23E, Uintah County, Utah.

Administrative approval is hereby granted to convert the above referenced well to a salt water disposal well. This approval is conditional upon full compliance with the UIC rules and regulations adopted by the Board of Oil, Gas and Mining, and construction and operation of the well as outlined in the application submitted with the following addition:

A cement squeeze job must be performed on the well to effect a cement plug outside the 7 inch casing extending approximately 100 feet above the top perforations. Also a cement bond log must be run to verify the squeeze job with a copy of the log forwarded to the Division prior to commencement of injection.

If you have any questions concerning this matter, please do not hesitate to call or write.

Best Regards,

A handwritten signature in black ink, appearing to read 'Dianne R. Nielson'.

Dianne R. Nielson
Director

DN/GH/mfp
010

**ENSERCH
EXPLORATION INC.**

One United Center
1700 Lincoln Street, Suite 3600
Denver, Colorado 80203
303-831-1616

November 9, 1984

United States Dept. of the Interior
Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, Utah 84078

Attention: Mr. Lloyd H. Ferguson

RE: Application for Disposal Well
Southman Canyon Unit #3
NE SE Section 15, T10S, R23E
Uintah County, Utah
Lease U-01298

Dear Sir:

Enclosed you will find the additional data you requested in response to our application to re-enter the above-captioned well and complete it as a salt water disposal well. If you should require any additional data, please advise.

Sincerely,



C. E. Rhodes
District Production Manager

CER:sjp

Encls.

RECEIVED

DEC 03 1984

DIVISION OF
OIL, GAS & MINING

DIVISION/AREA	INITIAL	ASSIGNED
DIST. MGR.		
SUPV. ENGINEER		
ASSIST. ENGR.		
INSPECTION		
REC'D		
NOV 19 1984		
DISTRICT OF LAND MGMT. VERNAL, UTAH		
MANAGER		<input checked="" type="checkbox"/>
D. O. MGR.		
SECRETARY		
All Employees		



ATTN:
GIL
HUNT

GIL-

YOU HAD ASKED FOR A COPY OF THE
RESPONSE TO OUR REQUEST. WE
FINALLY GOT A RESPONSE AND WILL
PROBABLY ~~BE~~ GO AHEAD & APPROVE THE
APPLICATION

TERRY KENCZKA
BLM-
VERNAL DISTRICT

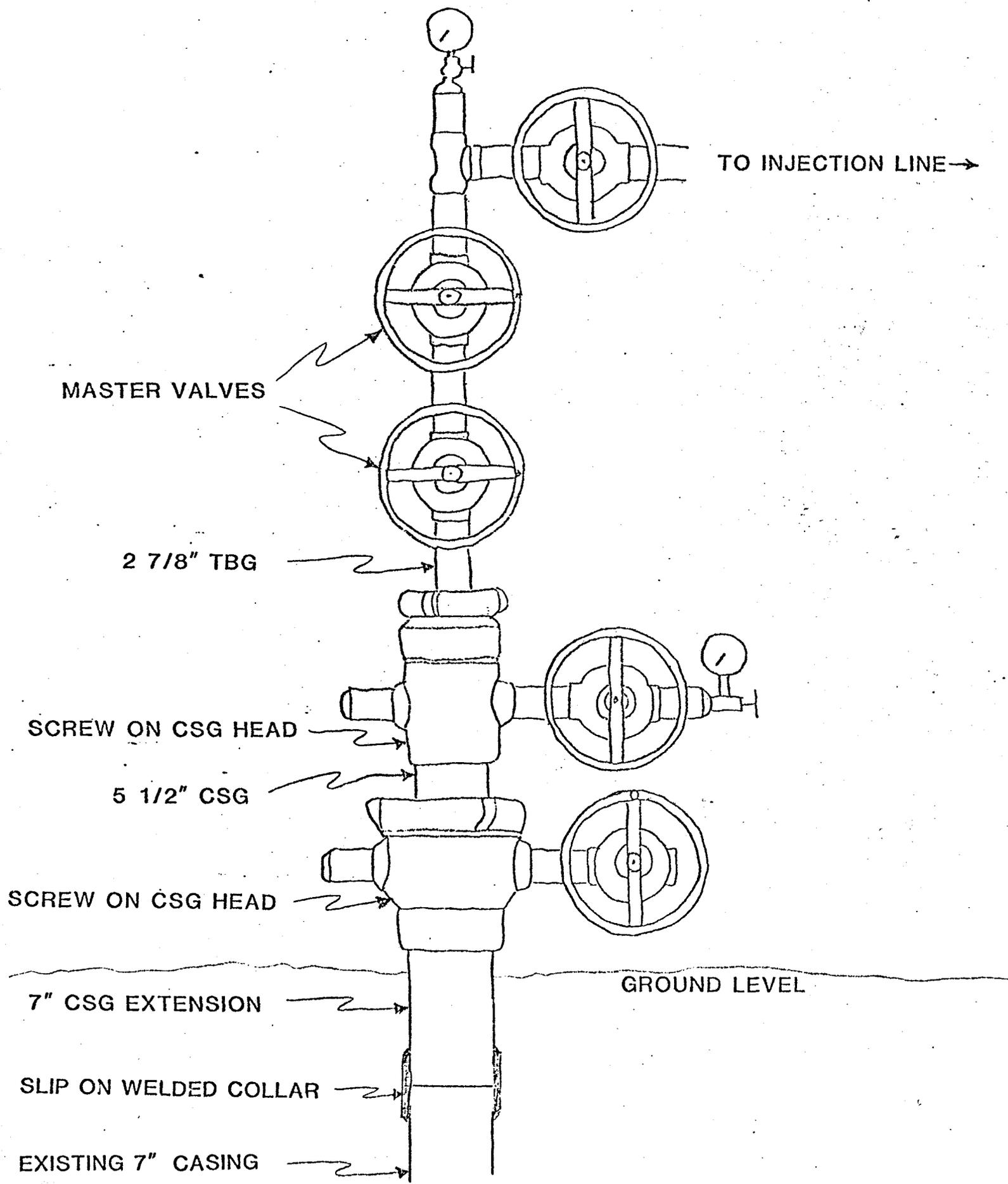
RECEIVED
DEC 03 1984

DIVISION OF
OIL, GAS & MINING

INFORMATION REQUESTED

- 1) Application for Special Land Use Permit (Attached).
- 2) - For use of a wellhead we intend to weld a 7" extension onto the existing 7" casing and use a screw-on type casing head to land either 5½" casing or 2 7/8" tubing as required. Diagrams for the two possible wellhead assemblies are attached.
- 3) .Prior to completion in the injection interval we intend to run a cement bond log to determine the top of the cement behind the 7" casing. At this point we will squeeze the 7" casing to provide at least 200' of cement above the injection interval.
- 4) Monitoring of the injection system will be performed by use of temperature and/or tracer surveys upon initial completion of this injection well and on a yearly basis thereafter. This should provide confirmation that all fluid injected is confined to the injection interval.
- 5) Initially we intend to use propane as fuel for the injection pumps but we intend to lay a 1" low pressure fuel line from the Cliff Edge Federal #1-15 at some time in the future. The Cliff Edge Federal is shown on the attached topo map. If any further permits will be required please notify us.

WELLHEAD ASSEMBLY
and 5 1/2" CSG



MASTER VALVES

TO INJECTION LINE →

2 7/8" TBG

SCREW ON CSG HEAD

5 1/2" CSG

SCREW ON CSG HEAD

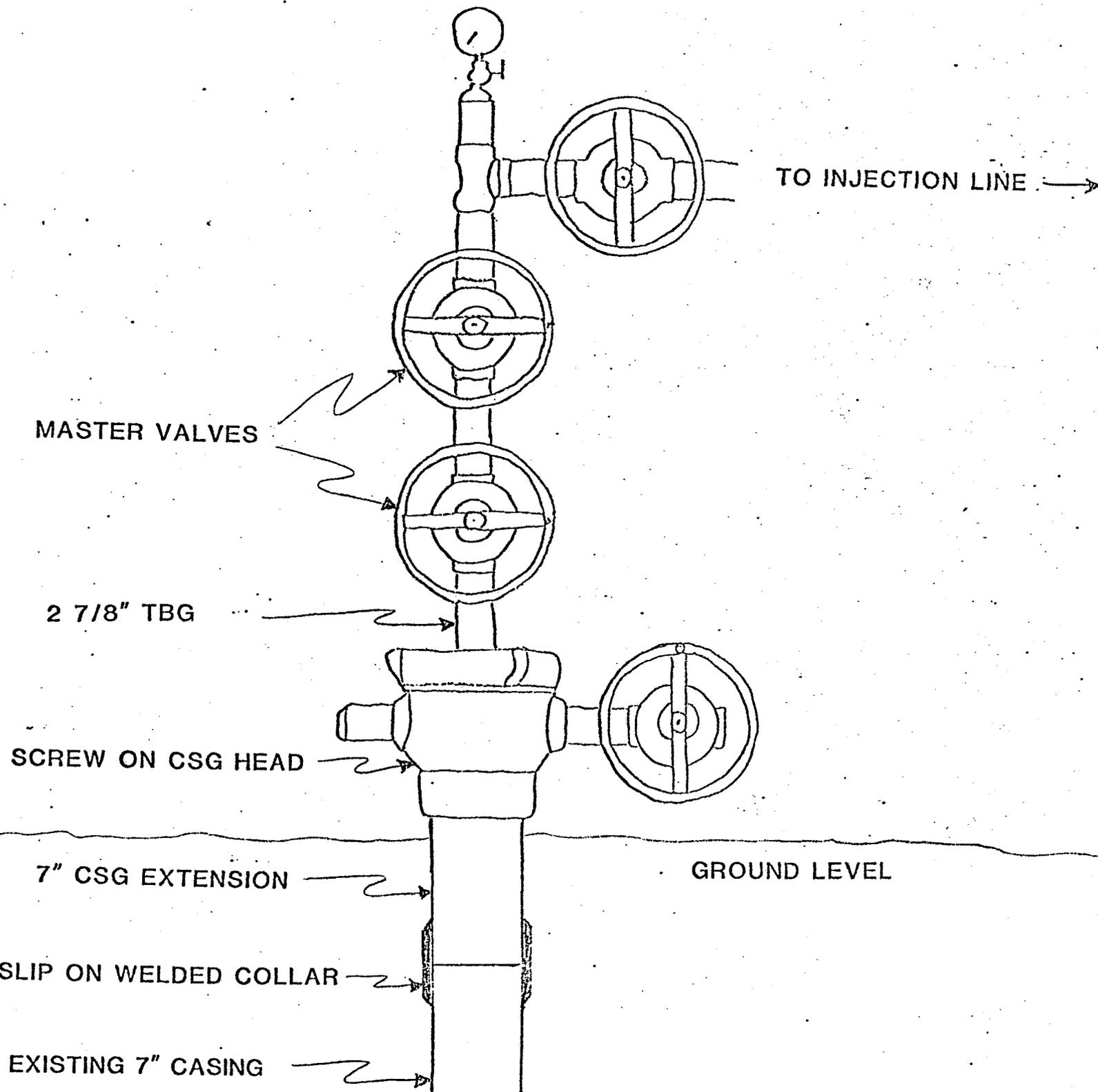
7" CSG EXTENSION

GROUND LEVEL

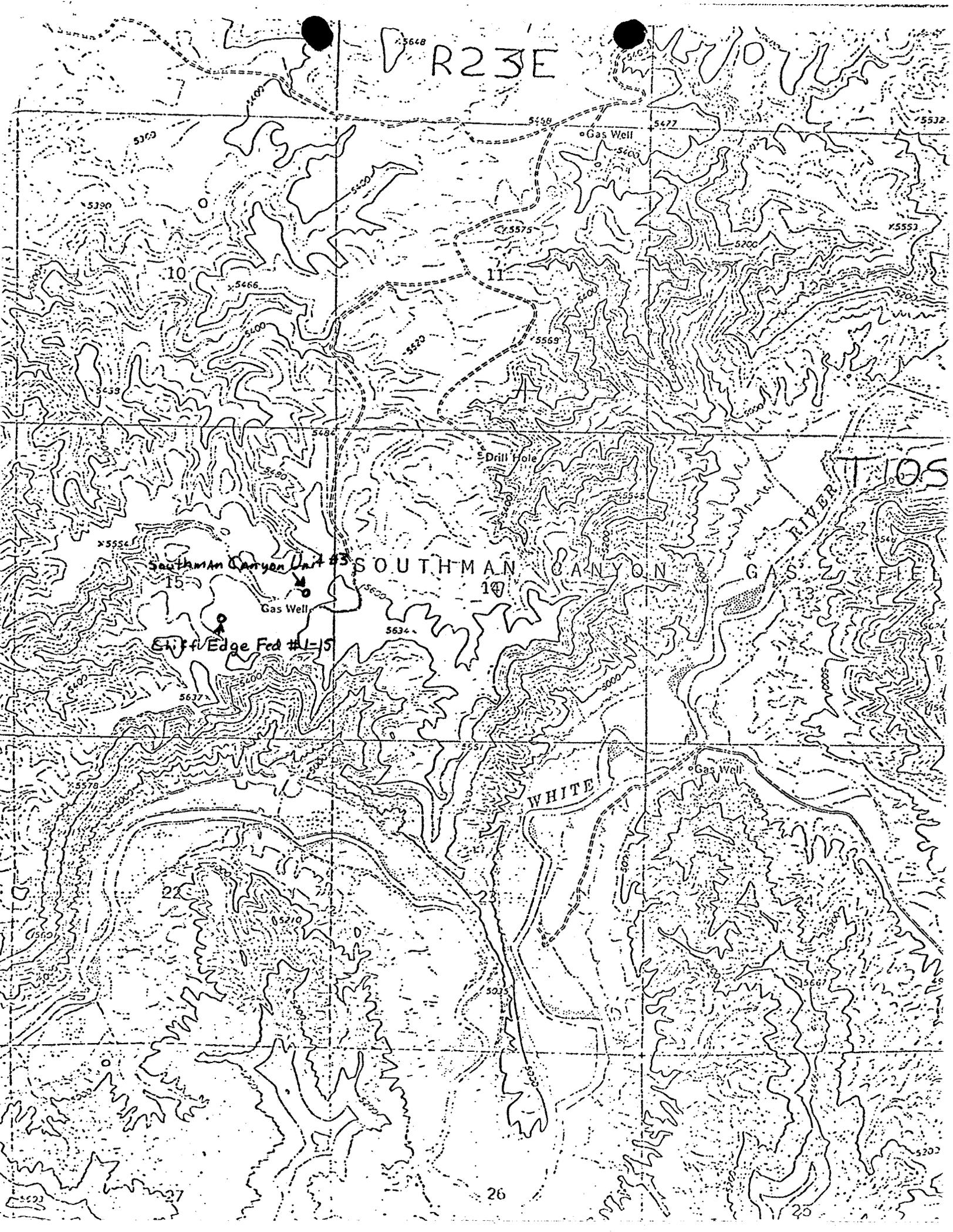
SLIP ON WELDED COLLAR

EXISTING 7" CASING

CSG ONLY



R23E



Southman Canyon Unit #3

Edge Fnd #1-15

SOUTHMAN CANYON

T10S
GAS FIELD

WHITE

FORM NO. DOGM-UIC-5
(1981)

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING
Room 4241 State Office Building
Salt Lake City, Utah 8414
(801) 533-5771

RECEIVED
JAN 21 1985

RULE 1-7 (d & e)

DIVISION OF
OIL, GAS & MINING

NOTICE OF (COMMENCEMENT) (TERMINATION) OF INJECTION
(Circle appropriate heading)

Check Appropriate Classification:

Date of Commencement/Termination April 1, 1985

Disposal Well

Enhanced Recovery Injection Well

Enhanced Recovery Project

Well Name Southman Canyon #3

Location: Section 15 Twp. 10S Rng. 23E, County Uintah

Order No. authorizing Injection 3100 O&G Date November 29, 1984

Zone into Which Fluid Injected Mesa Verde (5740'-6000')

If this is a Notice of Termination of injection, please indicate date well commenced injection. _____

If this is a Notice of Termination of injection, please indicate if well is to be plugged or returned to production; if returned to production, indicate producing interval _____

Operator Enserch Exploration, Inc.

Address 1700 Lincoln St., Suite #3600, Denver, Colorado 80203

Danny C. Hagins
Signature

January 18, 1985
Date

INSTRUCTION: If this is notification of an enhanced recovery project injection termination, it must be accompanied by an individual well status report for all project injection wells.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

PRINT IN TRIPLICATE*
(See instructions on reverse side)

File

<p>SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)</p>		<p>5. LEASE DESIGNATION AND SERIAL NO. U-01298</p>
<p>1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> Disposal Well</p>		<p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A</p>
<p>2. NAME OF OPERATOR EP Operating Co. (Formerly Enserch Exploration Inc.)</p>		<p>7. UNIT AGREEMENT NAME N/A</p>
<p>3. ADDRESS OF OPERATOR 1700 Lincoln Street, Suite 3600, Denver, Colorado 80203</p>		<p>8. FARM OR LEASE NAME Southman Canyon</p>
<p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface Sec. 10, T10S, R23E 2180' FSL, 400' FEL</p>		<p>9. WELL NO. #1-3</p>
<p>14. PERMIT NO.</p>		<p>10. FIELD AND POOL, OR WILDCAT Bonanza Field</p>
<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.)</p>		<p>11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA Section 15, T10S, R23E</p>
<p>16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data</p>		<p>12. COUNTY OR PARISH Uintah</p>
<p>17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*</p>		<p>18. STATE Utah</p>

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	<input type="checkbox"/>

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <u>Progress Report</u> <input checked="" type="checkbox"/>	<input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

Removed dry hole marker. Installed anchors and tested. RU workover rig. Drilled surface plug from 0-10'. Drilled second plug from 650'-850'. Drilled 3' of cement and CIBP from 2424'-2430'. Washover and fish 3807' of 2 3/8", 4.70# tubing from hole. Prepare to test 7" casing and squeeze as necessary.

RECEIVED

JUN 14 1985

DIVISION OF OIL
GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED Danny C. Hagler TITLE District Production Supt. DATE 6/10/85

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

**ENSERCH
EXPLORATION INC.**

One United Center
1700 Lincoln Street, Suite 3600
Denver, Colorado 80203
303-831-1616

RECEIVED

JUL 05 1985

**DIVISION OF OIL
GAS & MINING**

June 28, 1985

State of Utah
Mr. Cleon Feight
Division of Oil & Gas
UIC Program
4241 State Office Building
Salt Lake City, Utah 84114

Re: Southman Canyon Unit #3
Convert to Salt Water Disposal
Sec. 15, T10S, R23E
Uintah County, Utah

Dear Mr. Feight:

In letter correspondence dated August 20, 1984 (copy attached), approval was granted to convert the captioned well to salt water disposal as per UIC Rules and Regulations, with one stipulation:

A squeeze cement job be performed to effect a cement plug outside the 7 inch casing, extending approximately 100 feet above the top perforation.

However, after cleaning this well out and plugging back to 6209', a CBL/Gamma Ray was run on June 15, 1985. The CBL shows excellent to good to fair bonding from 6192' to 5634'. It is currently expected that the top set of perforations for injection will be from 5880' to 5920'. Thus, we should have approximately 246' of cement above the uppermost perforation at 5880'.

As a result of this new information we do not believe that it will be possible to perform the aforementioned squeeze job without physically fracturing the formation in the area of the squeeze.

RECEIVED

JUL 0 11985

**Utah State Div. Of
Environmental Health**

RECEIVED

JUL -1 1985

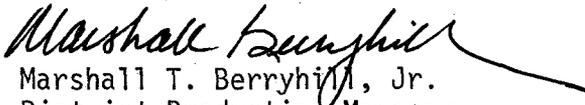
**BUREAU OF WATER
POLLUTION CONTROL**

Mr. Cleon Feig
Southman Canyon Unit #3
June 28, 1985
Page 2

Therefore, to protect and continue the integrity of the 7 inch casing, we respectfully request that the additional stipulation to squeeze be eliminated from conditions for approval, and that we be allowed to continue with the conversion to salt water disposal on this well.

Two copies of the CBL were forwarded to your office on June 17, 1985. A copy of the interval in question is attached for your reference.

Cordially,


Marshall T. Berryhill, Jr.
District Production Manager

Enserch Exploration, Inc.
Managing General Partner of
EP Operating Company

DEH/tjr

Attachment

cc: Well File



VARIABLE DENSITY RECEIVED
 CEMENT BOND
 GAMMA RAY

JUL 05 1985

DIVISION OF OIL
 GAS & MINING

COMPANY ENSERCH EXPLORATION INCORPORATED

WELL SOUTHMAN CANYON SWD # 3

FIELD BONANZA

COUNTY UINTAH STATE UTAH

LOCATION 2180' FNL & 400' FWL
 SEC. 15 TWP. 10S RGE. 23E

OTHER SERVICES:
 GR/NEUT.&T.T.C.

PERMANENT DATUM: GROUND LEVEL ELEV. 5594'
 LOG MEASURED FROM K.B. OR 19 FT. ABOVE PERM. DATUM
 DRILLING MEASURED FROM K.B.

ELEV. K.B. 5613'
 D.F. _____
 G.L. 5594'

DATE	TIME	6/15/85	2:00 PM	TYPE DRILL FLUID		MUD
RUN NO.		ONE		FLUID LEVEL		FULL 1000 PSI
DEPTH DRILLER		6222'		MAX. REC. TEMP.		
DEPTH LOGGER		6214'		EST. CEMENT TOP		
BTM. LOG INTERVAL		6214'		EQUIP.	LOCATION	506 COMPUTER GILLETTE
TOP LOG INTERVAL		5500'		RECORDED BY		VAN ALSTYNE
OPEN HOLE SIZE		8 3/4"		WITNESSED BY		MR.KENT
DATE & TIME CEMENT				SQUEEZE DEPTH		
TYPE CEMENT OPER.		LONG STRING		SALINITY PPM CL		
FLOAT COLLAR	DV TOOL			WEIGHT LB/GAL	VIS	
AMOUNT & TYPE CEMENT				CALC. CEMENT TOP		
AMOUNT & TYPE ADMIX				SPACING RECORDED		
TRUCK NUMBER				TOOL NUMBER		

FOLD HERE

CASING REC.	SIZE	WT/FT	GRADE	TYPE JOINT	TOP	BOTTOM
SURFACE STRING						
PROT. STRING						
PROD. STRING	7"					
LINER						

PRIMARY CEMENT DATA

STRING		7"		
VOL OF CEMENT				
TYPE OF CEMENT				
ADDITIVE				
RETARDER				
WT OF SLURRY				
WATER LOSS				
TYPE FLUID IN CSG				
FLUID WT				

REMARKS :

GAMMA-RAY DATA :

TOOL NO.	202
TOOL DIAMETER	3 1/8"
TYPE DETECTOR	SCINT.
TOOL STAND-OFF	

SENSITIVITY	300
TIME CONSTANT	2

NEUTRON DATA :	
TOOL NO.	201
TOOL DIAMETER	3 1/8"
TYPE DETECTOR	H E 3
SENSITIVITY	270
TOOL STAND-OFF	

TIME CONSTANT	5
SOURCE NO.	101
SOURCE STRENGTH	5 CI
SOURCE TYPE	AMBE 241
SOURCE SPACING	2'

BOND EQUIPMENT DATA :	
TOOL NO.	204
TOOL DIAMETER	3 3/8"
CENTRALIZERS	BOW SPRINGS
PULSE RATE	20 PPS
GATE	40 MICROSECONDS
TRANS. FREQ.	20KHZ
TRANS. TO RECEIVER	3'
LOGGING SPEED	35 FPM
TOOL STAND-OFF	

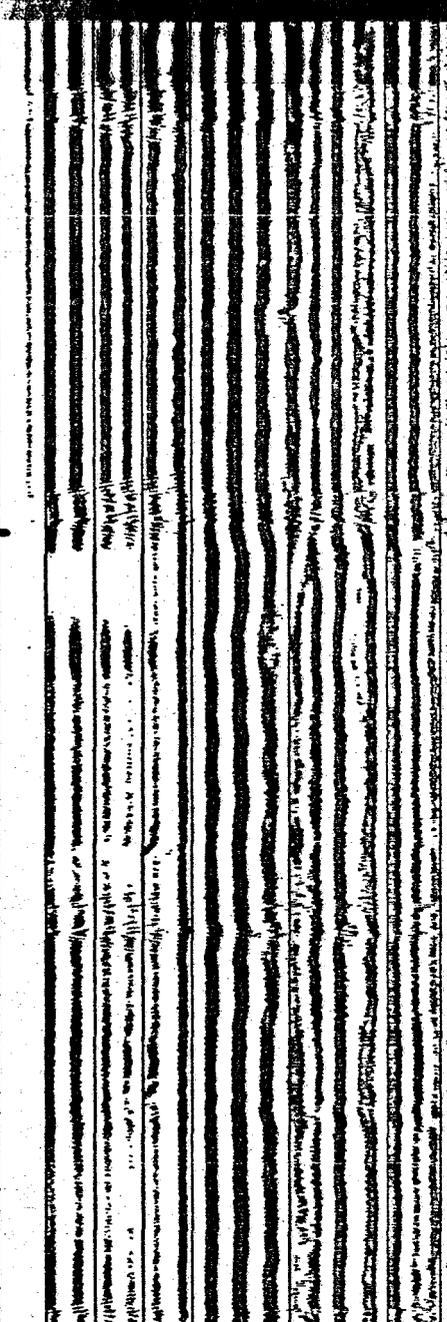
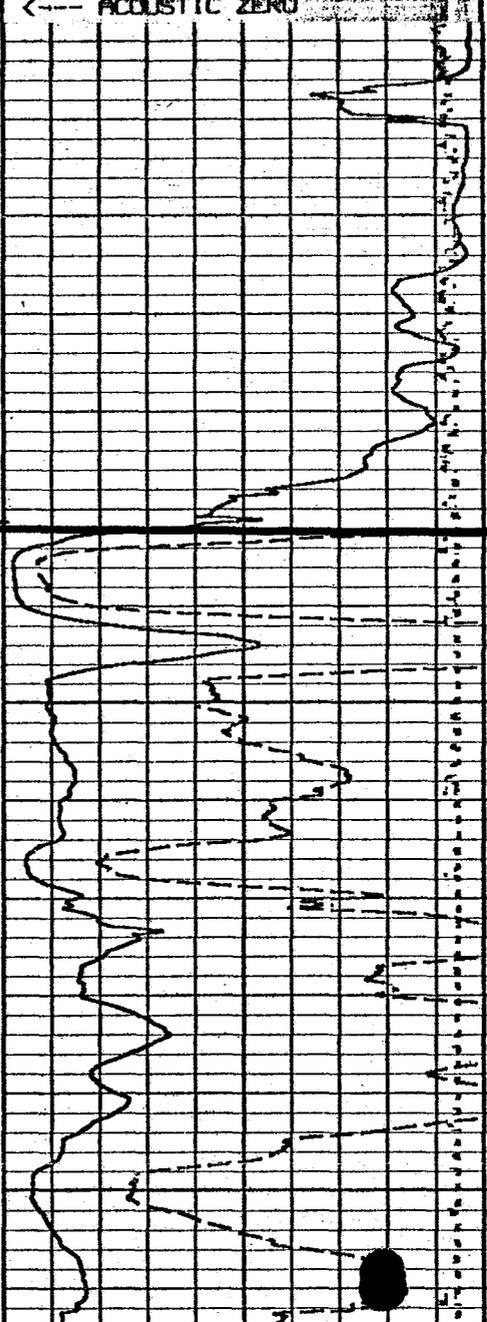
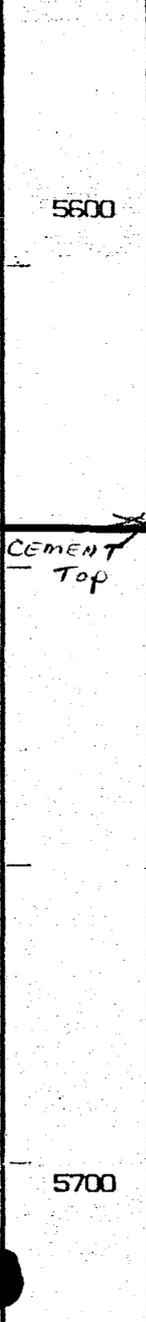
CEMENTING DATA :		HOUR :	DATE :
FINISHED CEM. OPERATION			
STARTED C.B.L.		2:30 PM	6/15/85
FINISHED C.B.L.		4:00 PM	6/15/85
TYPE OF CEMENT			
VOLUME OF CEMENT			
ADDITIVES:			

RADIATION INTENSITY INCREASES →

DEPTHS

FREE CASING ---->

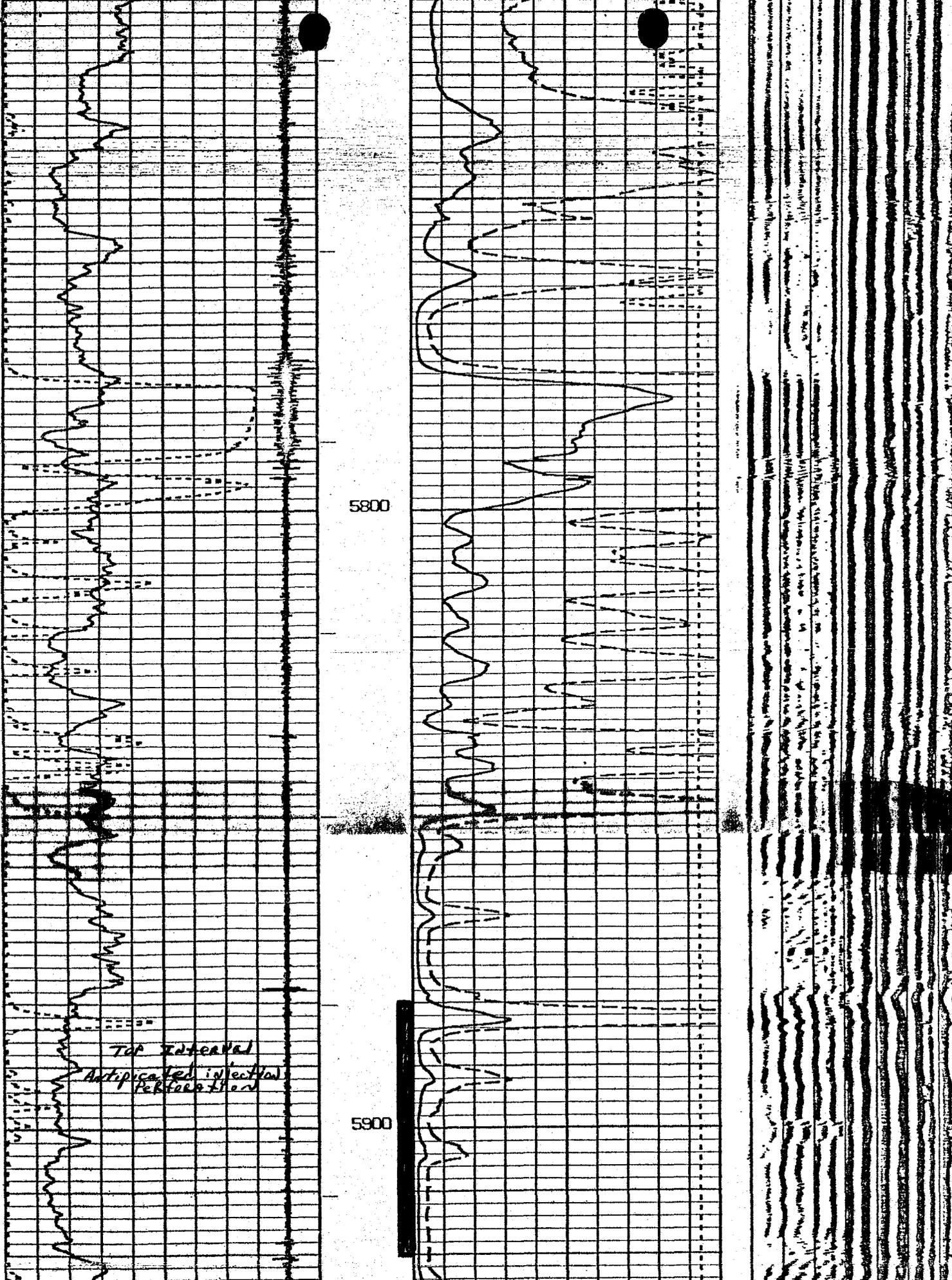
<---- ACOUSTIC ZERO

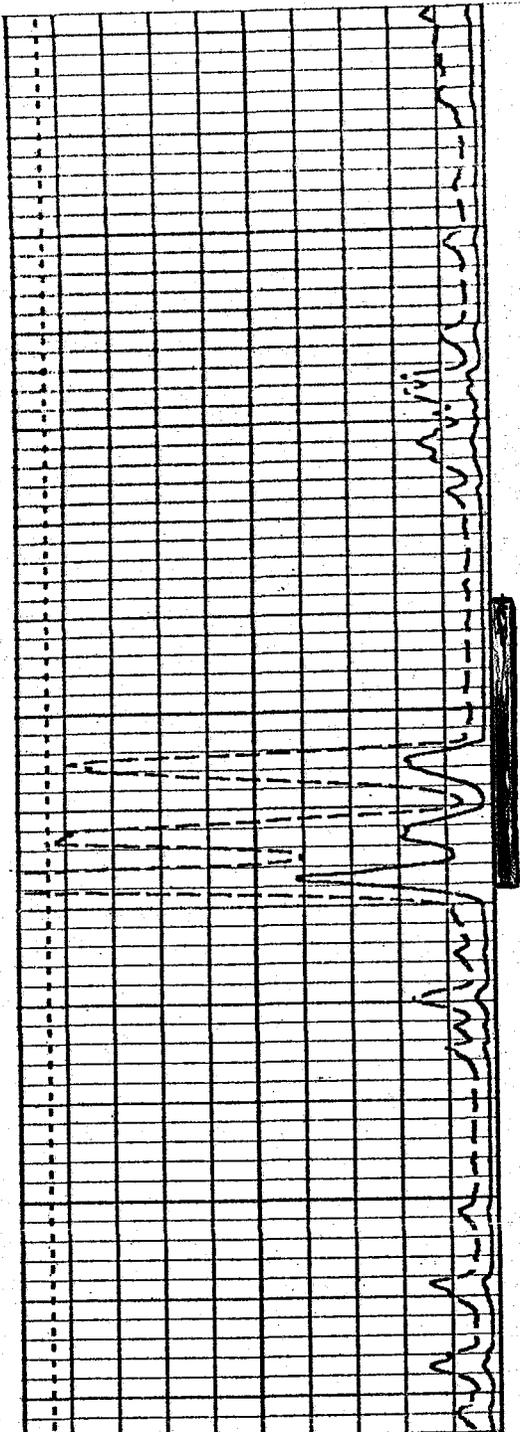
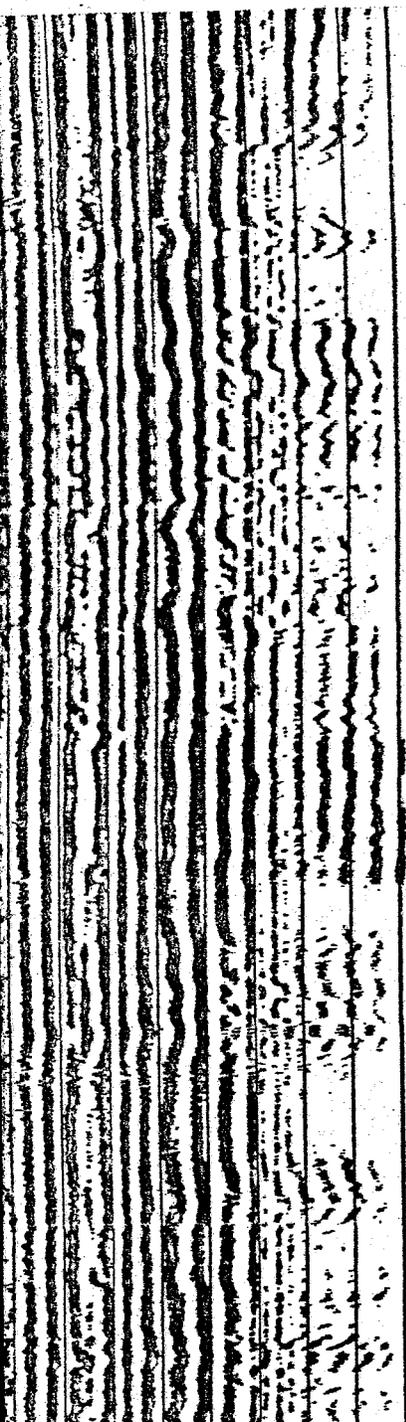


5800

5900

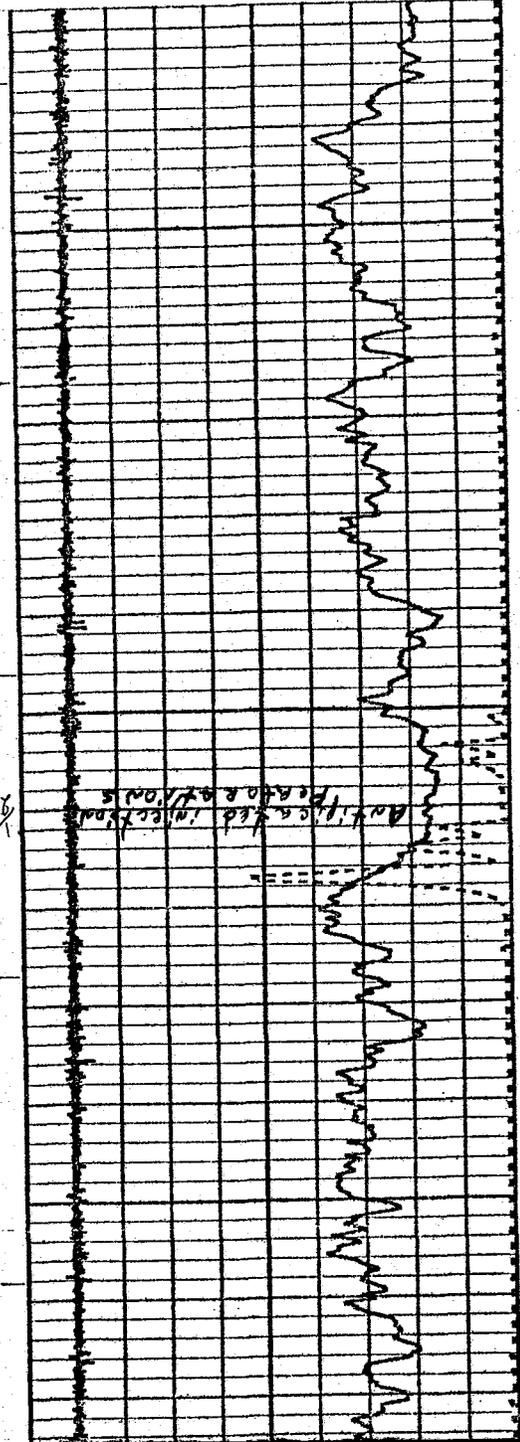
Top Interval
Anticipated injection
Perforation





6000

1.675 mm



Anti-heparin injections

RECEIVED

JUL 25 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

DIVISION OF OIL
GAS & MINING

OIL WELL OTHER Salt Water Disposal Well

2. NAME OF OPERATOR
EP Operating Co.

3. ADDRESS OF OPERATOR
1700 Lincoln Street, Suite 3600, Denver, Colorado 80203

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
2180' FSL, 400' FEL, Section 15, T10S, R23E
NE/4SE/4

14. PERMIT NO. 15. ELEVATIONS (Show whether OF, RT, GR, etc.)
5594 GR

5. LEASE DESIGNATION AND SERIAL NO. U-01298
6. IF INDIAN, ALLOTTEE OR TRIBE NAME NA
7. UNIT AGREEMENT NAME NA
8. FARM OR LEASE NAME Southman Canyon Unit SWD
9. WELL NO. #3
10. FIELD AND POOL, OR WILDCAT Southman Canyon
11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Section 15, T10S, R23E
12. COUNTY OR PARISH Uintah
13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	<input type="checkbox"/>

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <u>Log Copies</u> <input checked="" type="checkbox"/>	<input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Attached please find two copies of the following logs as requested:

- 1. Variable Density Cement Bond/Gamma Ray 1390'-800'
- 2. Variable Density Cement Bond/Gamma Ray 1193'-700'
- 3. CCL Neutron/Gamma Ray 6214'-5500'
- 4. Temperature Log w/Base 6145'-5500'
- 5. Casing Profile Caliper Log
- 6. Variable Density Cement Bond/Gamma Ray 6214'-5500'

18. I hereby certify that the foregoing is true and correct

SIGNED _____ TITLE District Production Supt. DATE 7/12/85

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

PRINTED IN U.S.A.

6 DAY

7000 # 10

Not accepted by
Bob R. [unclear]
2/29/85

TEXAS
INSTRUMENT ENGINEERS

CHART No. 1

METER NUMBER: []
DATE PUT ON: []

BR-4638
BO-100-8

TYPE TAKE OFF: []
DATE TAKE OFF: []

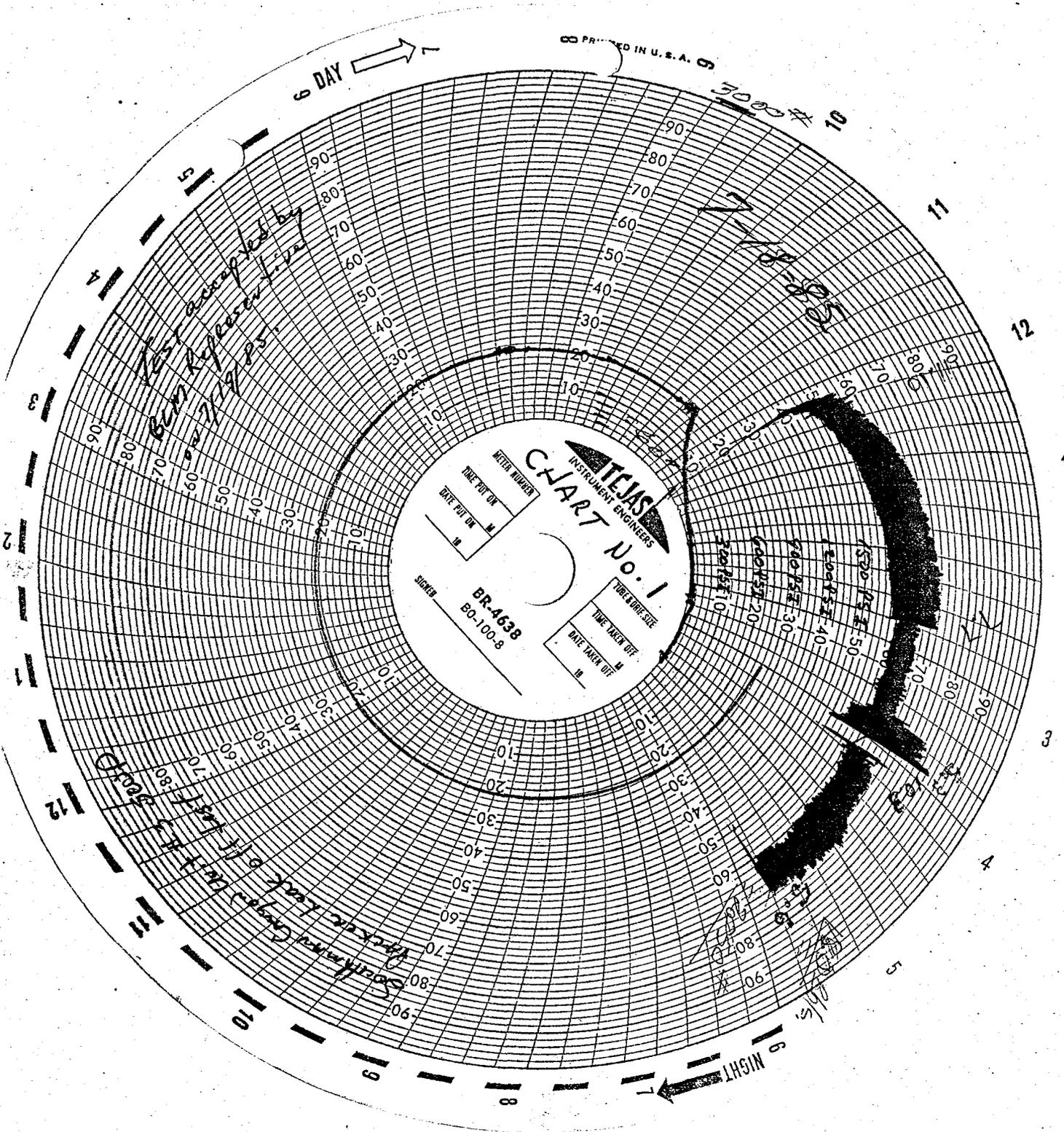
TYPE TAKE OFF: []
DATE TAKE OFF: []

100 PSI 10
100 PSI 30
100 PSI 40
100 PSI 50

George [unclear]
11/11/81
Southern Company
11/11/81

100 PSI 10
100 PSI 30
100 PSI 40
100 PSI 50

6 NIGHT



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different depth. Use "APPLICATION FOR PERMIT—" for such proposals.)

RECEIVED

1. OIL WELL GAS WELL OTHER Salt Water Disposal Well

2. NAME OF OPERATOR EP Operating Co.

3. ADDRESS OF OPERATOR 1700 Lincoln Street, Suite 3600, Denver, Colorado

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface
2180' FSL, 400' FEL, Section 15, T10S, R23E NE/4SE/4

14. PERMIT NO.

15. ELEVATIONS (Show whether DP, RT, GR, etc.)
5594' GR

5. LEASE DESIGNATION AND SERIAL NO.
U-10298

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NA

7. UNIT AGREEMENT NAME
NA

8. FARM OR LEASE NAME
Southman Canyon Unit SW

9. WELL NO.
#3

10. FIELD AND POOL, OR WILDCAT
Southman Canyon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 15, T10S, R23E

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

JUL 17 1985

DIVISION OF OIL & MINING

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	Progress Report <input checked="" type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Ran CBL from 6214' to 800' and CCL Neutron from 6214' to 5000'. Log indicated good bonding through anticipated interval of injection. RIH and set 7" CIBP @ 6200' & dumped 20' cmt. on top of same. Attempted to test 7" casing with no success. Ran casing inspection log from 6169' to surface. Log indicated hole in casing @ 843' (Squeeze perf during original P&A of well). RIH with 7" test packer, found leaks in casing at 3604' and 843'. Obtained successful squeeze in hole in 7" casing at 3604' with 75 sxs class "A" neat cement. Tested squeeze to 2000#, held OK. Obtained squeeze on perforations at 843' with 500 sxs class "A" with additives and 75 sxs class "H" with additives (six separate squeeze jobs). Tested squeeze job and all 7" casing to 1000# on June 29, 1985 for one hour, held OK. Ran CBL from 872'-832' which indicated good bonding across perforations at 843'. Obtained verbal approval from BLM and State of Utah to perforate for injection. Perforated 7" casing for injection from 5982'-6010' w/4" casing gun with 4-JSPF. Broke down perforations with formation water at 3650#. Pumped 150 bbls into formation with max pressure of 2950# at 5.7 BPM. ISIP 1850#. Ran temperature survey from 5500'-6145'. Swbd back load and took sample of formation fluid for analysis. Acidized perforations from 5982-6010' with 2000 gals 15% HCL acid. Max rate 9 BPM @ 3970#, ISIP 1850#, 15 min 1660#. Swbd back displacement fluid and spent acid water. Pumped total of 350 bbls formation water for injection test @ 1/2 BPM with minimum pressure of 1600# and maximum pressure of 2175#. Preparing to perforate from 5880'-5920' and test for injection rate.

18. I hereby certify that the foregoing is true and correct

SIGNED Danny E. Higgins TITLE District Production Supt. DATE 7/12/85

(This space for Federal or State office use)

APPROVED BY Elmer B. Ferguson TITLE VIC Manager DATE 7/17/85

CONDITIONS OF APPROVAL, IF ANY:

7

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Salt Water Disposal Well		5. LEASE DESIGNATION AND SERIAL NO. U-01298
2. NAME OF OPERATOR EP Operating Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME NA
3. ADDRESS OF OPERATOR 1700 Lincoln Street, Suite 3600, Denver, Colorado 80203		7. UNIT AGREEMENT NAME NA
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2180' FSL, 400' FEL (NE/4SE/4)		8. FARM OR LEASE NAME Southman Canyon Unit SWD
14. PERMIT NO.		9. WELL NO. #3
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5594' GR		10. FIELD AND POOL, OR WILDCAT Southman Canyon
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 15, T10S, R23E
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*		12. COUNTY OR PARISH 13. STATE Uintah Utah

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> SHOOT OR ACIDIZE <input type="checkbox"/> REPAIR WELL <input type="checkbox"/> (Other) <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETE <input type="checkbox"/> ABANDON* <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/> FRACTURE TREATMENT <input type="checkbox"/> SHOOTING OR ACIDIZING <input type="checkbox"/> (Other) <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> ABANDONMENT* <input type="checkbox"/> Water Analysis <input checked="" type="checkbox"/>
--	---	--	--

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Attached please find copies of the water analysis from zones perforated for injection on the above listed well.

Attachment No. 1 5880-5920'
Attachment No. 2 5982-6010'

18. I hereby certify that the foregoing is true and correct

SIGNED Marshall T. Berryhill, Jr. TITLE District Production Manager DATE 8/2/85

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

ATTACHMENT No. 1 Hinta Research and Analytical Services

291 E. 200 N. - ROOSEVELT, UTAH 84066

James F. Smith

WATER ANALYSIS REPORT

(801) 722-2532

Vernal, Utah 84078
 COMPANY E.P. Operating Co. ADDRESS P.O. Box 1008 DATE 7-30-85
 SOURCE Southman Cyn S.W.D.#3 DATE SAMPLED _____ ANALYSIS NO. _____

Analysis	Mg/L or ppm	*Meq/L
1. PH	9.22	
2. H ₂ S (Qualitative)	Neg	
3. Specific Gravity	1.060	
4. Dissolved Solids	85795.09	
5. Phenolphthalein Alkalinity (CaCO ₃)	10	
6. Menthyl Orange Alkalinity (CaCO ₃)	200	
7. Bicarbonate (HCO ₃)	122	61
8. Chlorides (Cl)	51684	35.5
9. Sulfates (SO ₄)	423	48
10. Calcium (Ca)	383	20
12. Magnesium (Mg)	60	12.2
12. Total Hardness (CaCO ₃)	1200	
13. Total Iron (Fe)	.80	
14. Carbon Dioxide (CO ₂)	.12	
15. Specific Conductivity	umhos 91500	
16. Resistivity	.11 @ 84 °F	

*Milli equivalents per liter

Probable Mineral Composition

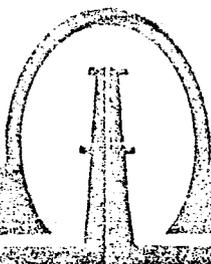
Compound	Equiv. Wt. X Meq/L =	Mg/L
Ca (HCO ₃)	81.04	2.00
Ca SO ₄	68.07	8.81
Ca Cl ₂	55.50	8.34
Mg (HCO ₃)	73.17	0
Mg SO ₄	60.19	0
Mg Cl ₂	47.62	4.92
Na HCO ₃	84.00	0
Na ₂ SO ₄	71.03	0
Na Cl	58.46	1442.63

Ca	HCO ₃	Mg	SO ₄	Na	Cl
19.15	2.00	4.92	8.81	1442.63	1455.89

Saturation Values Distilled Water 20 °C
 Ca CO₃ 13 Mg/L
 Ca SO₄ · 2H₂O 2,090 Mg/L
 Mg CO₃ 103 Mg/L

Remarks: Sample from per location from 5880' - 5920'.

Thank you for the business:



W/F

ATTACHMENT No. 2

Hinta Research and Analytical Services

291 E. 200 N. - ROOSEVELT, UTAH 84068

James F. Smith

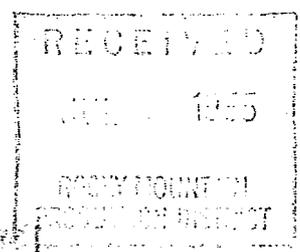
WATER ANALYSIS REPORT

(801) 722-2532

COMPANY E & P Operating ADDRESS Vernal, Utah DATE 7-9-85
 SOURCE Southman Cyn. SWD #3 DATE SAMPLED _____ ANALYSIS NO. W-1026

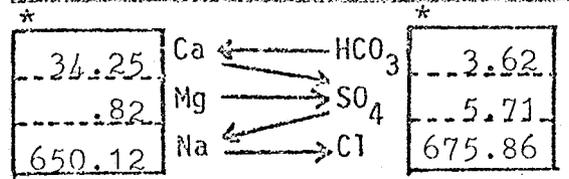
- Analysis**
1. PH 7.44
 2. H₂S (Qualitative) Neg.
 3. Specific Gravity 1.025
 4. Dissolved Solids _____
 5. Phenolphthalein Alkalinity (CaCO₃) _____
 6. Menthyl Orange Alkalinity (CaCO₃) _____
 7. Bicarbonate (HCO₃) _____
 8. Chlorides (Cl) _____
 9. Sulfates (SO₄) _____
 10. Calcium (Ca) _____
 12. Magnesium (Mg) _____
 12. Total Hardness (CaCO₃) _____
 13. Total Iron (Fe) _____
 14. Carbon Dioxide (CO₂) _____
 15. Specific Conductivity _____
 16. Resistivity _____

	Mg/L or ppm		*Meq/L		
	40110.17				
	0				
	363				
HCO ₃	221	61	3.62	HCO ₃	
Cl	23992	35.5	675.86	Cl	
SO ₄	274	48	5.71	SO ₄	
Ca	685	20	34.25	Ca	
Mg	10	12.2	.82	Mg	
	1750				
	.85				
	12.84				
umans	40500				
	.20 @ 82 °F				



*Milli equivalents per liter

Probable Mineral Composition



Compound	Eqv. Wt. X	Meq/L	=	Mg/L
Ca (HCO ₃)	81.04	3.62		293.36
Ca SO ₄	68.07	5.71		388.68
Ca Cl ₂	55.50	24.92		1383.06
Mg (HCO ₃)	73.17	0		0
Mg SO ₄	60.19	0		0
Mg Cl ₂	47.62	.82		39.06
Na HCO ₃	84.00	0		0
Na ₂ SO ₄	71.03	0		0
Na Cl	58.46	650.12		38006.02

Saturation Values Distilled Water 20 °C
 Ca CO₃ 13 Mg/L
 Ca SO₄ · 2H₂O 2,090 Mg/L
 Mg CO₃ 103 Mg/L

Remarks: _____
Sample from perforations
From 5982' - 6010'

Thank you for the business:

J. Smith

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

RECEIVED
AUG 05 1985

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Salt Water Disposal Well		5. LEASE DESIGNATION AND SERIAL NO. U-01298
2. NAME OF OPERATOR EP Operating Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME NA
3. ADDRESS OF OPERATOR 1700 Lincoln Street, Suite 3600, Denver, Colorado 80209		7. UNIT AGREEMENT NAME NA
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 2180' FSL, 400' FEL (NE/4SE/4)		8. FARM OR LEASE NAME Southman Canyon Unit SWD
14. PERMIT NO.		9. WELL NO. #3
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5594' GR		10. FIELD AND POOL, OR WILDCAT Southman Canyon
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Section 15, T10S, R23E
		12. COUNTY OR PARISH Uintah
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Progress Report</u>	<input checked="" type="checkbox"/>
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

RIH & set retrievable BP @ 5940'. Perforated 7" csg w/4" csg gun w/4 JSPF from 5880-5920'. Ran temp. survey from 5940-5700' RIH & set pkr @ 5929' & tested BP to 1000#, test OK. Reset pkr @ 5803'. Swbd well down & caught wtr sample for analysis. Loaded tbg w/wtr & broke fm. down @ 2000#. Pmpd 125 bbls fm. wtr into perms @ 4 1/2 BPM w/ 2200#. ISIP 1700#. Performed step rate injection test until stabilized as follows:

- 1/4 BPM w/ final stabilized pressure of 1150#
- 1/2 BPM w/ final stabilized pressure of 1560#
- 3/4 BPM w/ final stabilized pressure of 1560#
- 1 BPM w/ final stabilized pressure of 1680#

POOH w/retrievable BP & pkr. RIH w/2 7/8" tbg to 5975' & circ hole w/2% KCL & Halliburton X-200 inhibitor. POOH w/tbg. PU pkr & RIH on 2 7/8" tbg. Set pkr @ 5792'. Pressured up on csg annulus above pkr to 780# and held for 15 hrs. Pkr leak-off test accepted by BLM representative on 7/19/85. Injected 500 bbl fm. wtr to clean rental tanks on location. Preparing to install surface tanks and injection pump.

Attached charts as requested: Chart #1 - Packer leak-off test
Chart #2 - Final injection rate & pressure after leak-off test

EP Operating Co. respectfully requests final approval to inject produced wtr into perforations from 5982-6010' & 5880-5920' in the above mentioned well.

18. I hereby certify that the foregoing is true and correct

SIGNED Marshall T. Berryhill, Jr. TITLE District Production Manager DATE 7/31/85
(This space for Federal or State office use)

APPROVED BY Clern B. Knight TITLE Vic Manager DATE 8-15-84
CONDITIONS OF APPROVAL, IF ANY:

STATE UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

5. LEASE DESIGNATION AND SERIAL NO.

U-01298

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NA

7. UNIT AGREEMENT NAME

NA

8. FARM OR LEASE NAME

Southman Canyon Unit SWD

9. WELL NO.

#3

10. FIELD AND POOL, OR WILDCAT

Southman Canyon

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Section 15, T10S, R23E

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other Salt Wtr. Disposal

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other

2. NAME OF OPERATOR
EP Operating Company

3. ADDRESS OF OPERATOR
1700 Lincoln Street, Suite 3600, Denver, Colorado 80203

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 2180' FSL, 400' FEL (NE/4SE/4)

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO.

DATE ISSUED

RECEIVED
AUG 05 1985

DIVISION OF OIL
GAS & MINING

15. DATE SPUNDED 10-20-56 16. DATE T.D. REACHED 12-11-56 17. DATE COMPL. (Ready to prod.) P&A 11-8-56 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5594' GR 19. ELEV. CASINGHEAD 5594'

20. TOTAL DEPTH, MD & TVD 7418' 21. PLUG, BACK T.D., MD & TVD 6200' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY → 24. ROTARY TOOLS 0-7418 25. CABLE TOOLS 0

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5740' to 6010' Mesa Verde 25. WAS DIRECTIONAL SURVEY MADE 0

26. TYPE ELECTRIC AND OTHER LOGS RUN Note: See Sundry Notice dated 7/12/85 for log copies CBL/GR (3); CCL Neutron/GR; Temp. Log; Csg. Profile Caliper 27. WAS WELL CORED 0

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8 "	36#	207'	NA	120 SX	0
7 "	23#	6478'	8 3/4"	200 SX	0

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
5"	6319'	6832'	200 SX	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8"	5792'	5792'

31. PERFORATION RECORD (Interval, size and number)

5880'-5920' 4" csg. gun, 4 JSPF
5982'-6010' 4" csg. gun, 4 JSPF

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5982-6010'	2000 gal. 15% HCL

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
			→				

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
		→				

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNATURE Marshall Berryhill, Jr. TITLE District Production Manager DATE 7/31/85

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on Items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see Item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.

38.

GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

<p>1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Salt Water Disposal Well</p> <p>2. NAME OF OPERATOR E P Operating Company</p> <p>3. ADDRESS OF OPERATOR 1700 Lincoln St., Ste. #3600, Denver, Colorado 80203</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2180' FSL, 400' FEL (NE/4 SE/4)</p>		<p>5. LEASE DESIGNATION AND SERIAL NO. U-01298</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A</p> <p>7. UNIT AGREEMENT NAME N/A</p> <p>8. FARM OR LEASE NAME Southman Canyon Unit SW</p> <p>9. WELL NO. #3</p> <p>10. FIELD AND POOL, OR WILDCAT Southman Canyon</p> <p>11. SEC., T., R., M., OR BLK. AND SUBVY OR AREA Sec. 15, T10S, R23E</p> <p>12. COUNTY OR PARISH 13. STATE Uintah Utah</p>
<p>14. PERMIT NO.</p>	<p>15. ELEVATIONS (Show whether DF, RT, OR, etc.) 5594' GR</p>	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	(Other) _____
(Other) Install 1" Fuel Line <input checked="" type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

E P Operating Company respectfully requests permission to lay a 1" gas fuel line from the Cliff Edge Federal #1-15 (Federal Lease #U-38427) to the Southman Canyon Unit #3 SWD well (Federal Lease #U-01298). Said line will be of low pressure (50# W.P.) and will incorporate a dual low pressure regulator system at point of origin to insure safe operating pressures. It is proposed that this line be run along side and parallel to Natural Gas Pipeline Company's existing gathering line from the Federal #1-15 well to a point of intersection at the #1-3 location pad and then directly across pad to the engine house. Total length of line will be approximately 1500'.

Drawing of proposed line is attached.

RECEIVED

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

AUG 26 1985

Federal approval of this action is required before commencing operations.

DATE: 8/30/85
BY: John R. Daga

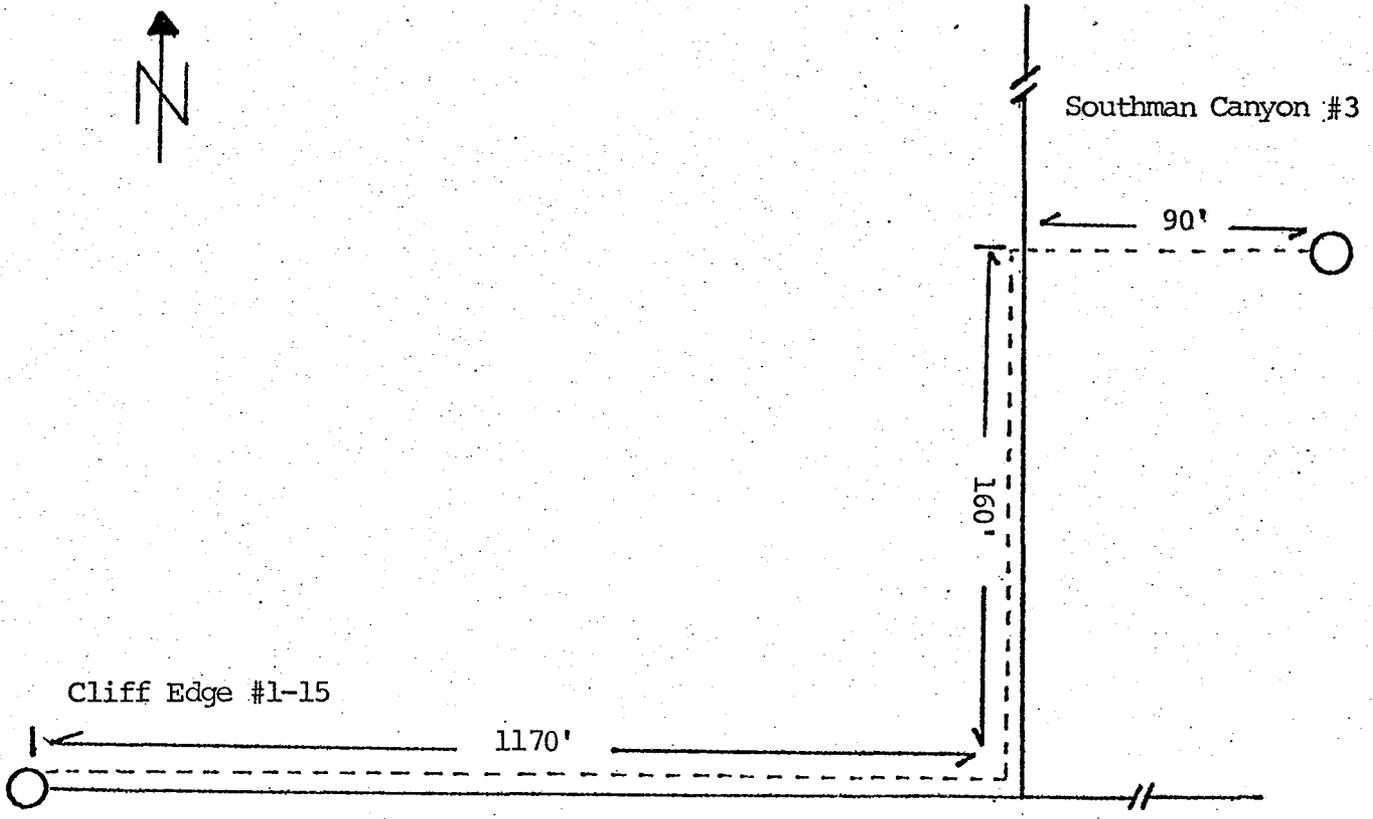
DIVISION OF OIL
GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED <u>Marshall Bumpkin</u>	TITLE <u>Dist. Production Manager</u>	DATE <u>8/22/85</u>
(This space for Federal or State office use)		

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

Southman Canyon #3 SWD
Proposed Fuel
Supply Line



- Existing Natural Gas Pipeline Co. Gathering Lines.
- Proposed 1" fuel supply line.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

5. LEASE DESIGNATION AND SERIAL NO.
U-38427

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NA

7. UNIT AGREEMENT NAME
NA

8. FARM OR LEASE NAME
Southman Canyon Unit SWD

9. WELL NO.
#3

10. FIELD AND POOL, OR WILDCAT
Southman Canyon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 15, T10S, R23E

12. COUNTY OR PARISH 18. STATE
Uintah Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL GAS WELL OTHER Salt Water Disposal

2. NAME OF OPERATOR
EP Operating Company

3. ADDRESS OF OPERATOR
1700 Lincoln Street, Suite 3600, Denver, Colorado 80203

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
2180' FSL, 400' FEL (NE/4 SE/4)

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5594' GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other) Wellsite Diagram

(Other)

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Wellsite Diagram Attached.

RECEIVED
APR 11 1986

DIVISION OF
OIL, GAS & MINING

Form 3160-5 submitted to BLM 4/8/86

18. I hereby certify that the foregoing is true and correct

SIGNED

Danny C. Hagins

TITLE

Prod. Superintendent

DATE

4/8/86

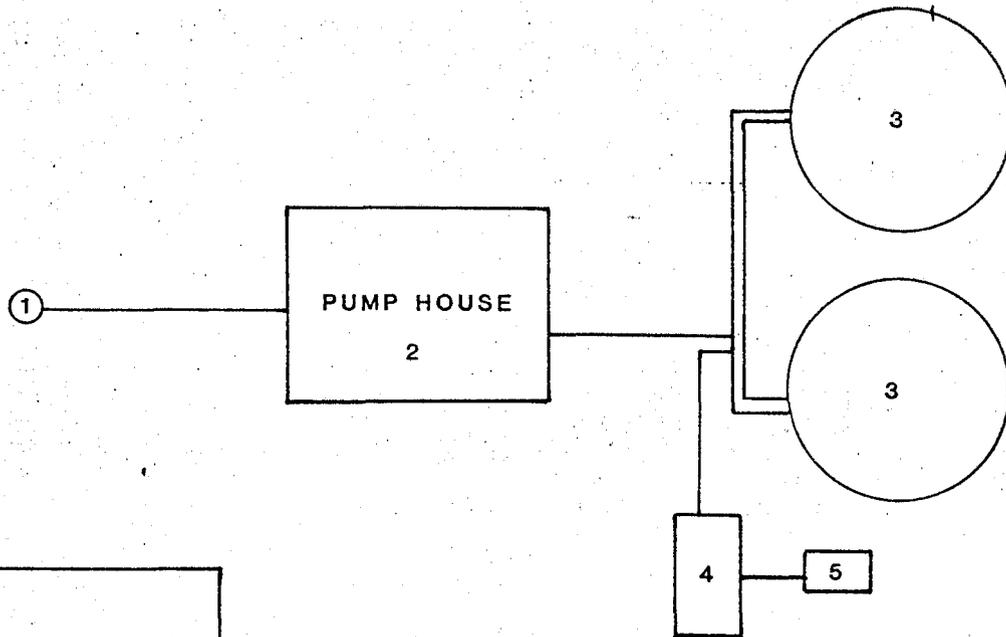
(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



- ① Well
- ② Disposal Pump
- ③ Storage Tanks
- ④ Line Heater
- ⑤ Centrigal Pump

WELL SITE FACILITY AND SURFACE FLOWLINE DIAGRAM



EP OPERATING COMPANY

Federal Lse. No.: U-38427

Well Name: SOUTHMAN CANYON UNIT
SWD #3

Location: NE/4 SE/4 Sec. 15, T10S, R23E

County: UINTAH

State: UTAH

Date: APRIL 1, 1986

Approved By: _____



State of Utah
 DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF OIL, GAS AND MINING

Norman H. Bangertter
 Governor
 Dee C. Hansen
 Executive Director
 Dianne R. Nielson, Ph.D.
 Division Director

355 West North Temple
 3 Triad Center, Suite 350
 Salt Lake City, Utah 84180-1203
 801-538-5340

April 4, 1990

UIC	
GLH	<input checked="" type="checkbox"/>
DJJ	<input checked="" type="checkbox"/>
BGH	<input type="checkbox"/>
COMPUTER	<input checked="" type="checkbox"/>
MICROFILM	<input type="checkbox"/>
FILE	<input type="checkbox"/>
Enforcement	

43-047-15880

E.P. Operating Company
 6 Desta Drive #5250
 Midland, Texas 79705

Gentlemen:

Re: Mechanical Integrity Test, Southman Canyon #3 Well, Sec. 15, T. 10S, R. 23E, Uintah County, Utah

A pressure test for mechanical integrity was conducted on the above mentioned well on March 28, 1990. The test was witnessed by Dan Jarvis, State of Utah and Mr. Vonnie Aguiniga, Ensearch Exploration. The casing/tubing annulus was pressured to 1000 psi on three attempts and each time the pressure bled off to equalize with the shut in pressure on the tubing. This pressure bleed off indicates the possibility of a tubing or packer leak.

The Division requests that Ensearch submit a plan of remediation within 30 days to identify and repair this problem. If you have any questions feel free to call me or Dan Jarvis at (801)538-5340.

Sincerely,

Gil Hunt
 UIC Program Manager

ldc
 WO185

**ENSERCH
EXPLORATION** INC

4849 Greenville Ave., Suite 1200
Dallas, Texas 75206-4186
214-369-7893

Edward L. Johnson
Director
Land Operations
Gulf Coast Region

December 2, 1992

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

RECEIVED

DEC 07 1992

DIVISION OF
OIL GAS & MINING

ATTENTION: Mr. R. J. Firth

Re: Change of Operator (Form 9)
Unitah & Duchesne Counties, Utah

Dear Mr. Firth:

Enclosed please find twenty-six (26) Form 9s transferring operations from EP Operating Company to Phoenix Hydrocarbons Operating Corp. If you have any questions regarding the above, please call me at (214) 987-6442.

Yours truly,


Dean Edzards

DE:ks
Enclosure

c: Mr. Randy Bailey
P. O. Box 2802
Midland, Texas 79702

Phoenix Hydrocarbons Operating Corp.

January 5, 1993

State of Utah
Division of Oil, Gas, & Mining
3 Triad Center, #350
Salt Lake City, UT 84180-1203

Attention: Lisha Romero

RE: Sundry Notices
Enserch Exploration Inc. Acquisition

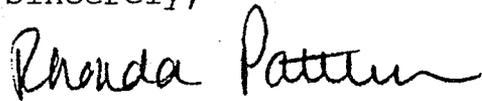
Dear Lisha:

Enclosed you will find the subject Sundry Notices. As per our telephone conversation in early December, we have signed a copy of the original notices which were filed by Enserch Exploration Inc. at the end of November.

In regards to the BLM notices, I am currently working with Enserch Exploration Inc. to get these filed.

If you should have any questions, please call.

Sincerely,



Rhonda Patterson

encl.

RECEIVED

JAN 13 1993

DIVISION OF
OIL GAS & MINING

Phoenix Hydrocarbons, Inc.

RECEIVED

FEB 08 1993

DIVISION OF
OIL GAS & MINING

February 3, 1993

State of Utah
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attention: Mr. Gil Hunt

Re: Southman Canyon SWD #3
Sec. 15, T10S, R23E
Uintah County, Utah
API No. 43-047-15880

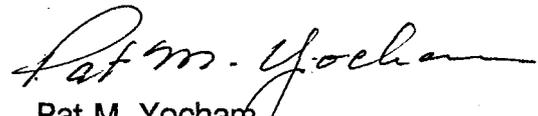
Dear Sir:

The captioned well was purchased by Phoenix Hydrocarbons, Inc. from EP Operating Limited Partnership effective September 1, 1992 and assumed operations on December 1, 1992.

Please send a copy of all forms that you require for monthly and annual submittal to:

Phoenix Hydrocarbons, Inc.
Attention: Pat M. Yocham
415 West Wall, Suite 703
Midland, TX 79701

Sincerely,


Pat M. Yocham

PMY/lz

Phoenix Hydrocarbons Operating Corp.

February 4, 1993

RECEIVED

FEB 08 1993

DIVISION OF
OIL GAS & MINING

State of Utah
Division of Oil, Gas, & Mining
3 Triad Center, #350
Salt Lake City, UT 84180-1203

Attention: Lisha Romero

RE: Sundry Notices
Enserch Exploration Inc. Acquisition

Dear Lisha:

On January 5, 1993 I mailed to you the above subject Sundry Notices which were originally prepared by Enserch Exploration Inc. (or known as E.P. Operating Company). In preparing the Sundry Notices for the BLM-Vernal Office I discovered the Southman Canyon SWD #3 may have been overlooked. Enclosed you will find a Sundry Notice for this well.

If you should have any questions, please call. (Note: I have sent the BLM Sundry Notices for approval).

Sincerely,



Rhonda Patterson

encl.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number
U-38427

7. Indian Allottee or Tribe Name

8. Unit or Communitization Agreement

9. Well Name and Number
Southman Canyon SWD #3

10. API Well Number
43-047-15880

11. Field and Pool, or Wildcat

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT— for such proposals

1. Type of Well
 Oil Well Gas Well Other (specify) SWD

2. Name of Operator
Phoenix Hydrocarbons Operating Corp.

3. Address of Operator
415 West Wall, #703 Midland, TX 79701

4. Telephone Number
(915)682-1186

5. Location of Well
Footage : _____ County : Uintah
QQ, Sec. T., R., M. : NE/4 SE/4 Sec 15, T10S, R23e State : UTAH

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- Abandonment
 - Casing Repair
 - Change of Plans
 - Conversion to Injection
 - Fracture Treat
 - Multiple Completion
 - Other Change of Operator
- New Construction
 - Pull or Alter Casing
 - Recompletion
 - Shoot or Acidize
 - Vent or Flare
 - Water Shut-Off
- Approximate Date Work Will Start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- Abandonment *
 - Casing Repair
 - Change of Plans
 - Conversion to Injection
 - Fracture Treat
 - Other _____
- New Construction
 - Pull or Alter Casing
 - Shoot or Acidize
 - Vent or Flare
 - Water Shut-Off
- Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.
* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Change of Operator from EP Operating Company to Phoenix Hydrocarbons Operating Corp. effective September 1, 1992.

RECEIVED

FEB 08 1993

DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name & Signature

Title President

Date

2/11/93

(State Use Only)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: September 30, 1990

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

U-38427

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Southman Canyon SWD #3

9. API Well No.

43-047-15880

10. Field and Pool, or Exploratory Area

11. County or Parish, State

Uintah, UT

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other **WDW**

2. Name of Operator

Phoenix Hydrocarbons Operating Corp.

3. Address and Telephone No.

415 West Wall, #703 Midland, TX 79701 (915)682-1186

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 15, T10S, R23E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

- Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other
- Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection

change of Operator

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Effective September 1, 1992, Phoenix Hydrocarbons Operating Corp. became the Operator of the above named well from EP Operating Company. Reporting responsibilities transferred hands December 1, 1992.

RECEIVED

MAR 1 1 1993

**DIVISION OF
OIL GAS & MINING**

VERNAL DIST.
ENG. <i>STP 2-1886</i>
GEOL. _____
E.S. _____
PET. _____
A.M. _____

RECEIVED

FEB 08 1993

14. I hereby certify that the foregoing is true and correct

Signed _____

Title **President**

Date **2/4/93**

(This space for Federal or State official use)

Approved by _____

Title _____

Date **MAR 8 1993**

Conditions of approval, if any:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: September 30, 1990

5. Lease Designation and Serial No.
U-38427

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Southman Canyon SWD #

9. API Well No.
43-047-15880

10. Field and Pool, or Exploratory Area

11. County or Parish, State
Uintah, UT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other **WDW**

2. Name of Operator
Phoenix Hydrocarbons Operating Corp.

3. Address and Telephone No.
415 West Wall, #703 Midland, TX 79701 (915)682-1186

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 15, T10S, R23E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent <input type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other <input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection <p>change of Operator (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</p>

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective September 1, 1992, Phoenix Hydrocarbons Operating Corp. became the Operator of the above named well from EP Operating Company. Reporting responsibilities transferred hands December 1, 1992.

RECEIVED

MAR 11 1993

DIVISION OF
OIL, GAS & MINING

VERNAL DIST.
ENG. **ST 2-R15**
 GEOL. _____
 E.S. _____
 PET. _____
 A.M. _____

RECEIVED

FEB 08 1993

14. I hereby certify that the foregoing is true and correct

Signed [Signature] Title **President** Date **2/4/93**

(This space for Federal or State official use)

Approved by [Signature] Title _____ Date **MAR 8 1993**
 Conditions of approval, if any.

Phoenix Hydrocarbons Operating Corp.

RECEIVED

JUN 16 1993

DIVISION OF
OIL, GAS & MINING

June 15, 1993

State of Utah
Division of Oil, Gas, & Mining
3 Triad Center, #350
Salt Lake City, UT 84180-1203

Attention: Lisha Romero

RE: Transfer to Inject
Lease U-38427
Southman Canyon SWD #3

Dear Lisha:

Enclosed you will find the Transfer of Authority to Inject for the subject well. Note that we have signed as the New Operator and have forwarded to EP Operating for their signature.

If you should have any questions, please call.

Sincerely,



Rhonda Patterson

encl.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

RECEIVED

JUN 10 1993

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

DIVISION OF
OIL GAS & MINING

Well name and number: Southman Canyon SWD #3

Field or Unit name: _____ API no. 43-047-15880

Well location: QQ _____ section 15 township 10S range 23E county Uintah

Effective Date of Transfer: 9/1/92

CURRENT OPERATOR

Transfer approved by:

Name _____ Company EP Operating Company

Signature _____ Address 4849 Greenville Ave, # 1200

Title _____ Dallas, Tx. 75206-4186

Date _____ Phone (214) 987-6442

Comments:

NEW OPERATOR

Transfer approved by:

Name G.R. Bailey Company Phoenix Hydrocarbons Oper. Corp

Signature *G.R. Bailey* Address 415 W.Wall # 703

Title President Midland, Tx. 79701

Date 6/14/93 Phone (915) 682- 1186

Comments:

(State use only)

Transfer approved by *[Signature]* Title *UIC Manager*

Approval Date 6-28-93

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1- DES / GIL	<input checked="" type="checkbox"/>
2- DES / 57-11	<input checked="" type="checkbox"/>
3- VLC	<input checked="" type="checkbox"/>
4- RJF	<input checked="" type="checkbox"/>
5- FILM	<input checked="" type="checkbox"/>
6- ADA	<input checked="" type="checkbox"/>

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

Change of Operator (well sold) Designation of Agent
 Designation of Operator Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 9-01-92)

TO (new operator)	<u>PHOENIX HYDRO OPER CORP</u>	FROM (former operator)	<u>EP OPERATING CO, LP</u>
(address)	<u>PO BOX 2802</u>	(address)	<u>6 DESTA DRIVE #5250</u>
	<u>MIDLAND TX 79702</u>		<u>MIDLAND TX 79705-5510</u>
	<u>RHONDA PATTERSON</u>		<u>BYRON JAMES, LANDMAN</u>
	phone <u>(915) 682-1186</u>		phone <u>(915) 682-9756</u>
	account no. <u>N 9880</u>		account no. <u>N0400</u>

Well(s) (attach additional page if needed): ***COTTONWOOD WASH, EAST BENCH & ALGER PASS UNITS.**

Name:	<u>COTTONWOOD WASH U #1/WS</u>	API:	<u>43-047-31774</u>	Entity:	<u>10754</u>	Sec	<u>10</u>	Twp	<u>12S</u>	Rng	<u>21E</u>	Lease Type:	<u>U-40729</u>
Name:	<u>EAST BENCH U #1/WSTC</u>	API:	<u>43-047-31778</u>	Entity:	<u>10795</u>	Sec	<u>33</u>	Twp	<u>11S</u>	Rng	<u>22E</u>	Lease Type:	<u>U-25880</u>
Name:	<u>ALGER PASS #1/MVRD</u>	API:	<u>43-047-31824</u>	Entity:	<u>10828</u>	Sec	<u>2</u>	Twp	<u>11S</u>	Rng	<u>19E</u>	Lease Type:	<u>ML-36213</u>
Name:	<u>SOUTHMAN CYN U #3/GRRV</u>	API:	<u>43-047-15880</u>	Entity:	<u>99990</u>	Sec	<u>15</u>	Twp	<u>10S</u>	Rng	<u>23E</u>	Lease Type:	<u>U-38427</u>
Name:	_____	API:	_____	Entity:	_____	Sec	___	Twp	___	Rng	___	Lease Type:	_____
Name:	_____	API:	_____	Entity:	_____	Sec	___	Twp	___	Rng	___	Lease Type:	_____
Name:	_____	API:	_____	Entity:	_____	Sec	___	Twp	___	Rng	___	Lease Type:	_____

OPERATOR CHANGE DOCUMENTATION

1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 12-7-92)*
2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Reg. 12-14-92) (Rec'd 1-13-93)*
3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: _____.
4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(6-10-93)*
6. Cardex file has been updated for each well listed above. *(6-10-93)*
7. Well file labels have been updated for each well listed above. *(6-10-93)*
8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(6-10-93)*
9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- 2. A copy of this form has been placed in the new and former operators' bond files.
- 3. The former operator has requested a release of liability from their bond (yes/no) no. Today's date _____ 19____. If yes, division response was made by letter dated _____ 19____.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated _____ 19____, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- 2. Copies of documents have been sent to State Lands for changes involving State leases.
 6/28/93 to Ed Bonner

MICROFILMING

- 1. All attachments to this form have been microfilmed. Date: June 30 1993.

INDEXING

- 1. Copies of all attachments to this form have been filed in each well file.
- 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

- 921215 Btm/Vernal & S.Y. Not approved as of yet.
- 930401 Btm/S.Y. Approved wells under C.A.'s. (Unit wells not approved at this time.)
- 930610 Btm/S.Y. Approved "Cottonwood Wash Unit, East Bench Unit & Alger Pass Unit" eff. 6-1-93.
- Btm/Vernal Approved "Southman Syn. # " on 3-8-93. (waiting on Trans. of Auth. to Inject)

Phoenix Hydrocarbons Operating Corp.

August 12, 1993

State of Utah
Division of Oil, Gas, & Mining
3 Triad Center, #350
Salt Lake City, UT 84180-1203

Attention: Lisha Cordova

RE: Transfer of Authority to Inject
Southman Canyon SWD #3

Dear Lisha:

Enclosed you will find the above mentioned "executed" document.
Sorry it has taken so long - but we did finally receive it.

If you should have any questions, please call.

Sincerely,



Rhonda Patterson

encl.

RECEIVED

AUG 16 1993

DIVISION OF
OIL, GAS & MINING

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

RECEIVED

AUG 16 1993

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

**DIVISION OF
OIL, GAS & MINING**

Well name and number: Southman Canyon SWD #3

Field or Unit name: _____ API no. 43-047-15880

Well location: QQ _____ section 15 township 10S range 23E county Uintah

Effective Date of Transfer: 9/1/92

CURRENT OPERATOR

Transfer approved by: EP OPERATING LIMITED
PARTNERSHIP, by Enserch Exploration, Inc.,
Name Managing General Partner Company _____
Signature [Signature] Address 4849 Greenville Ave, # 1200
Title JEFFREY B. CAMP, Regional Director Dallas, Tx. 75206-4186
Date July 15, 1993 Phone (214) 987-6442

Comments:

NEW OPERATOR

Transfer approved by:
Name C.R. Bailey Company Phoenix Hydrocarbons Oper. Corp
Signature [Signature] Address 415 W.Wall # 703
Title President Midland, Tx. 79701
Date 6/14/93 Phone (915) 682- 1186

Comments:

(State use only)
Transfer approved by [Signature] Title UIC Manager
Approval Date 6-28-93

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

RHONDA PATTERSON
 PHOENIX HYDRO OPER CORP
 PO BOX 2802
 MIDLAND TX 79702

UTAH ACCOUNT NUMBER: N9880

REPORT PERIOD (MONTH/YEAR): 12 / 93

AMENDED REPORT (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
FEDERAL 5-5-H			GRRV			- UTK-66401	CA UTK68999	(separate obj)
4304731903	11138	07S 21E 5						
COORS 14-1-D			UNTA			- U-65223		
4304731304	11193	07S 21E 14						
FEDERAL 2-10HB			UNTA			- UTK-65222		
4304732009	11255	07S 21E 10						
E. GUSHER #2-1A			GRRV			- ml-21181		
4304731431	11333	06S 20E 2						
MADELINE 4-3-C			GRRV			- U-42469		
4304732279	11379	07S 21E 4						
FEDERAL 11-1-M			GRRV			- U-64376		
4304732333	11443	06S 20E 11						
Southmen Cyn. #3			GRRV / WDW			- U-38427		
43-047-15880	99990	10S 23E 15						
TOTALS								

COMMENTS: _____

I hereby certify that this report is true and complete to the best of my knowledge.

Date: _____

Name and Signature: _____

Telephone Number: _____

SNYDER OIL CORPORATION

1625 Broadway, Suite 2200
Denver, Colorado 80202
Phone 303-592-8579

RECEIVED

FEB 07 1994

DIVISION OF
OIL, GAS & MINING

January 13, 1994

State of Utah
Division of Oil, Gas, & Mining
3 Triad Center, #350
Salt Lake City, UT 84180-1203

Attention: Lisha Cordova

RE: Change of Operator
Sundry Notices

Dear Ms. Cordova:

Effective January 1, 1994, Phoenix Hydrocarbons Operating Corp. will transfer all operations in Utah to Snyder Oil Corporation.

Snyder Oil Corporation is covered by Utah State Bond #582488 and Federal Bond #579354 (Guld Insurance Company).

Attached you will find a list of all wells to be operated by Snyder Oil Corporation. Please note: all of Phoenix Hydrocarbon Operating Corp.'s wells should be transferred.

If you should have any questions, please call.

Sincerely,



Steven G. Van Hook
Attorney-in-Fact

Enclosures

INTEROFFICE COMMUNICATION
SNYDER OIL CORPORATION

TO: George Rooney
FROM: Steve Van Hook *S.V.H.*
DATE: January 17, 1994
RE: Phoenix Acquisition
Transfer of Operator Forms

RECEIVED

FEB 07 1994

DIVISION OF
OIL, GAS & MINING

Accompanying this memo are the following items related to the Phoenix acquisition which require your further handling:

*CBKW
Needs
Copies*

- ① Original letter dated 12/20/93 from Phoenix to the State of Utah Oil, Gas & Mining Division, with exhibit listing all wells in which SOCO becomes operator. Please mail ASAP with our enclosed cover letter advising SOCO is assuming operations.
- ② Separate executed forms to transfer operations on the Southman Canyon SWD #3 well. Please complete the contact portion of these forms and forward for approval with the State of Utah.
3. For the Walker Hollow Unit, enclosed is a 1/14/94 cover letter from Phoenix Hydrocarbon with a Sundry Notice executed by SOCO and Phoenix for the following unit wells:
 - McLish #1, 2, 3, 4
 - Pan Am #2
 - Walker Hollow U6, J8
4. For operated wells on Federal lands, a separate file for the following wells is enclosed containing in each three original Sundry Notices of the BLM executed by SOCO and Phoenix. Please file with the BLM in triplicate for the following wells:

Castle Peak 1-3	No Name 2-9, 1-9
Canyon View 1-18	Willow Creek #2
Crooked Canyon 1-17	Flat Mesa 2-7
Federal 11-1-M	Flat Mesa 1-7
Madelive 4-3-C	Gusher 15-1-A
Coors 1-14-D	Southman Canyon 4-5, 4-4, 1-5
Baser 5-1	Baser Draw 6-2, 6-1

Memo Re: Phoenix/Transfer of Operator Forms
January 17, 1994
Page 2

Wolf Govt. Federal #1
Monument Butte 2-3
Pete's Flat Federal 1-1
Willow Creek #1
Cliff Edge Fed 1-15
E. Gusher No. 3
Lizzard Creek 1-10
Federal 3-15
Monument Butte 1-3

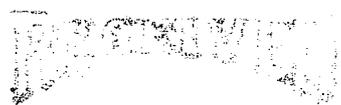
Federal Miller 1
Sage Brush 1-8
Bitter Creek Federal 1-3
White River 1-14
Southman Canyon SWD #3
Federal 2-10 HB
Horseshoe Bend 2
Natural 1-7 (Love Unit)

Please advise should any questions arise.

SVH/lk

Attachments

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING



FEB 07 1994

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

DIVISION OF
OIL, GAS & MINING

Well name and number: Southman Canyon SWD #3

Field or Unit name: _____ API no. 43-047-15880

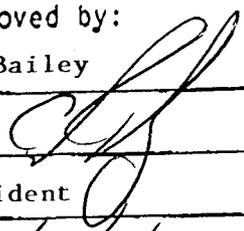
Well location: QQ _____ section 15 township 10S range 23E county Uintah

Effective Date of Transfer: 1/1/94

CURRENT OPERATOR

Transfer approved by:

Name C.R. Bailey Company Phoenix Hydrocarbons Oper. Corp.

Signature  Address 415 West Wall, #703

Title President

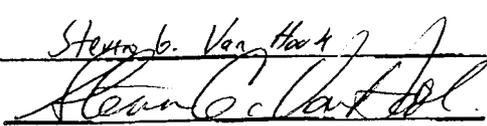
Date 1/13/94

Comments:

NEW OPERATOR

Transfer approved by:

Name Steven B. Van Hook

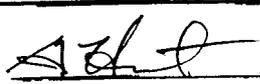
Signature 

Title Attorney in fact

Date 1-14-94 Phone (303) 592-8500

Comments:

(State use only)

Transfer approved by  Title VPE Manager

* Approval Date 2-9-94

#940302
Originals mailed to:
Phoenix & Snyder

Denver, CO 80202

Attn: George Rooney

* Records show well needs to be tested for mechanical integrity.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Vernal District Office
170 South 500 East
Vernal, Utah 84078-2799

FEB 28 1994

TAKE
PRIDE IN
AMERICA

IN REPLY REFER TO:
3162.3
UT08438

February 17, 1994

Snyder Oil Corporation
Attn: Mr. Steven C. Van Hook
1625 Broadway, Suite #2200
Denver, CO 80202

Re: Well: Southman Canyon SWD 3
NESE, Sec. 15, T10S, R23E
Lease U - 38427
Uintah County, Utah

Dear Mr. Van Hook:

This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced well. After a review by this office, the change in operator request is approved. Effective immediately, Snyder Oil Corporation is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. WY2272, for all operations conducted on the referenced well on the leased land.

If you have any other questions concerning this matter, please contact Ed Forsman of this office at (801)789-1362.

Sincerely,

Howard B. Cleavinger II
Assistant District Manager for Minerals

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: September 30, 1990

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

U-38427

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Southman Canyon SWD #

9. API Well No.

43-047-15880

10. Field and Pool, or Exploratory Area

11. County or Parish, State

Uintah, UT

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other WDW

2. Name of Operator

Snyder Oil Corporation

3. Address and Telephone No.

1625 Broadway, #2200, Denver, CO 80202 (303)592-8500

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 15, T-10-S, R-23-E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

- Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other
- Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection

Change Of Operator

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective January 1, 1994, Snyder Oil Corporation will become the operator of the referenced well from Phoenix Hydrocarbons Operating Corp.

Snyder Oil Corporation is covered under Federal Bond #579354 (Gulf Insurance Company) and Utah State Bond #582488.

FEB 22 1994

14. I hereby certify that the foregoing is true and correct.

Signed

[Signature]

Title

Attorney-in-Fact

Date

1/14/94

(This space for Federal or State office use)

Approved by

HOWARD B. CLEAVINGER II

Title

ADJUTANT DISTRICT
MANAGER MINERALS

Date

FEB 17 1994

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget: Bureau No. 1004-0135
Expires: September 30, 1990

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

U-38477

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Southman Canyon SWD #3

9. API Well No.

43-047-15880

10. Field and Pool, or Exploratory Area

11. County or Parish, State

Uintah Co., UT

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other WDW

2. Name of Operator

Phoenix Hydrocarbons Operating Corp.

3. Address and Telephone No.

415 West Wall, #703 Midland, TX 79701 915-682-1186

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 15, T-10-S, R-23-E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

TYPE OF ACTION

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other
- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection

Change of Operator

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective January 1, 1994, Snyder Oil Corporation will become the Operator of the above referenced well.

FEB 22 1994

14. I hereby certify that the foregoing is true and correct

Signed

[Signature]

Title

President

Date

1/14/93

(This space for Federal or State/office use)

Approved by

HOWARD B. CLEAVINGER II

Title

ASSISTANT DISTRICT
MANAGER MINERALS

Date

FEB 17 1994

Conditions of approval, if any:

Phoenix Hydrocarbons Operating Corp.

December 20, 1993

State of Utah
Division of Oil, Gas, & Mining
3 Triad Center, #350
Salt Lake City, UT 84180-1203

FEB 28 1994

Attention: Lisha Cordova

RE: Change Of Operator
Sundry Notices

Dear Lisha:

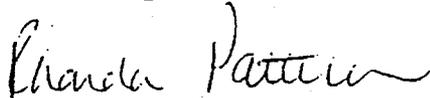
Effective January 1, 1994, Phoenix Hydrocarbons Operating Corp. will transfer all operations in Utah to Snyder Oil Corporation.

Snyder Oil Corporation is covered by Utah State Bond #582488 and Federal Bond #579354 (Guld Insurance Company).

Attached you will find a list of all wells to be Operated by Snyder Oil Corporation. Please note: all of Phoenix Hydrocarbon Operating Corp.'s well should be transfered.

If you should have any questions, please call.

Sincerely,



Rhonda Patterson

encl.

Post-it™ Fax Note 7671		Date	# of pages ▶ 3
To <i>Lisha</i>	From <i>Cynthia Brockman</i>		
Co./Dept.	Co.		
Phone #	Phone #		
Fax #	Fax #		

UINTAH COUNTY

Well Name	LEASE NUMBER	API NUMBER	LOCATION
Gulf State 36-11	ML-22057	43-047-31350	SEC 36, T-8-S, R-18-E
Gulf State 36-12	ML-22057	43-047-31864	SEC 36, T-8-S, R-18-E
Gulf State 36-13	ML-22057	43-047-31346	SEC 36, T-8-S, R-18-E
Gulf State 36-22	ML-22057	43-047-31892	SEC 36, T-8-S, R-18-E
Pariette Draw 26-44	FEE	43-047-31408	SEC 26, T-4-S, R-2-W
Federal Miller #1	UTU0136484	43-047-30034	SEC 4, T-7-S, R-22-E
Wolf Govt # 1	UTU076939	43-047-16809	SEC 6, T-7-S, R-22-E
McLish #1 (Walker-Hollow)	SL-066341	43-047-20280	SEC 8, T-7-S, R-23-E
McLish #2 (Walker-Hollow)	SL-066341	43-047-30011	SEC 8, T-7-S, R-23-E
McLish #3 (Walker-Hollow)	SL-066341	43-047-30027	SEC 8, T-7-S, R-23-E
McLish #4 (Walker-Hollow)	SL-066341	43-047-30030	SEC 8, T-7-S, R-23-E
Walker Hollow U-6	SL-066341	43-047-31034	SEC 8, T-7-S, R-23-E
Pan American #2	SL-066341	43-047-30038	SEC 8, T-7-S, R-23-E
Walker Hollow U-8	SL-066341	43-047-31092	SEC 8, T-7-S, R-23-E
Basin 6-1	UTU076939	43-047-31833	SEC 6, T-7-S, R-22-E
Basin 6-1	UTU076939	43-047-31834	SEC 6, T-7-S, R-22-E
Basin 6-2	UTU076939	43-047-31859	SEC 6, T-7-S, R-22-E
Southman 1-6	UTU33433	43-047-30856	SEC 6, T-10-S, R-23-E
Southman 4-4	UTU33433	43-047-30632	SEC 4, T-10-S, R-23-E
Southman 4-6	UTU33433	43-047-30633	SEC 6, T-10-S, R-23-E
East Gusher 16-1-A	UTU58097	43-047-31900	SEC 16, T-6-S, R-20-E
Coors 14-1-D	UTU65223	43-047-31304	SEC 14, T-7-S, R-21-E
East Gusher 2-1-A	ML-21181	43-047-31431	SEC 2, T-6-S, R-20-E
Madeline 4-3-C	UTU42469	43-047-32270	SEC 4, T-7-S, R-21-E
Federal 6-6-H	UTU68999	43-047-31903	SEC 6, T-7-S, R-21-E
Federal 11-1-M	UTU64376	43-047-32333	SEC 11, T-6-S, R-20-E
Flat Mesa 1-7	U-38420	43-047-30362	SEC 7, T-10-S, R-23-E
Flat Mesa 2-7	U-38420	43-047-30546	SEC 7, T-10-S, R-23-E
Crooked Canyon 1-17	U-37355	43-047-30369	SEC 17, T-10-S, R-23-E
Willow Creek 2	U-39223	43-047-31818	SEC 8, T-11-S, R-20-E
No Name Canyon 1-9	U-37355	43-047-30378	SEC 9, T-10-S, R-23-E
No Name Canyon 2-9	U-37355	43-047-31604	SEC 9, T-10-S, R-23-E
Canyon View Fed 1-18	U-38421	43-047-30370	SEC 18, T-10-S, R-23-E
Alger Pass #1	ML-36213	43-047-31824	SEC 2, T-11-S, R-19-E
Sage Hen 1-6	U-38419	43-047-30382	SEC 6, T-10-S, R-23-E
Sagebrush 1-8	U-37355	43-047-30383	SEC 8, T-10-S, R-23-E
Southman Canyon SWD 3	U-38427	43-047-16880	SEC 16, T-10-S, R-23-E
Jack Rabbit 1-11	U-38425	43-047-30423	SEC 11, T-10-S, R-23-E
Chill Edge 1-16	U-38427	43-047-30462	SEC 16, T-10-S, R-23-E
White River 1-14	U-38427	43-047-30481	SEC 14, T-10-S, R-23-E
Bitter Creek Fed 1-3	U-29797	43-047-30524	SEC 3, T-11-S, R-22-E
Lookout Point 1-16	ML-22186-A	43-047-30544	SEC 16, T-10-S, R-23-E
Pete's Flat Fed 1-1	U-40736	43-047-30559	SEC 1, T-10-S, R-23-E
Sheepherder Fed 1-10	U-38261	43-047-30559	SEC 10, T-10-S, R-23-E
NSO Fed 1-12	U-38422	43-047-30560	SEC 12, T-10-S, R-23-E
Cottonwood Wash #1	U-40729	43-047-31774	SEC 10, T-12-S, R-21-E
Willow Creek #1	U-34705	43-047-31776	SEC 27, T-11-S, R-20-E
East Bench #1	U-25880	43-047-31778	SEC 33, T-11-S, R-22-E
Lizzard Creek 1-10	U-25880	43-047-31476	SEC 10, T-11-S, R-22-E
Archy Bench #1-2	ML-22348-A	43-047-31489	SEC 2, T-11-S, R-22-E
Coors 2-10-HB	UTU-65222	43-047-32008	SEC 10, T-7-S, R-21-E
E Gusher #3	SL-065841-A	43-047-16590	SEC 3, T-6-S, R-20-E
Natural 1-7	U-8346	43-047-30148	SEC 7, T-11-S, R-21-E
Boranza Federal 3-16	U-38428	43-047-31278	SEC 16, T-10-S, R-23-E
Lafkas 1-3	CR201	43-047-31178	SEC 3, T-11-S, R-20-E
State 14-16	ML-40904	43-047-31417	SEC 16, T-7-S, R-21-E
Love Unit 1-18	891018090A	43-047-30706	SEC 18, T-11-S, R-22-E
Love Unit 1-11	891018090A	43-047-30617	SEC 11, T-11-S, R-21-E
Love Unit 1-12	891018090A	43-047-30638	SEC 12, T-11-S, R-21-E
Love Unit 4-1	891018090A	43-047-30640	SEC 4, T-11-S, R-21-E
Love Unit B-1-10	891018090A	43-047-30709	SEC 10, T-11-S, R-21-E
Love Unit B-2-3	891018090A	43-047-30766	SEC 3, T-11-S, R-21-E
Horseshoe Bend #2 (ARA)	U-0142175	43-047-16800	SEC 3, T-7-S, R-21-E

DUCHESNE COUNTY

Well Name	LEASE NUMBER	API NUMBER	LOCATION
Pleasant Valley 24-32	FEE	43-013-30888	SEC 24, T-4-S, R-2-W
Castle Peak 1-3	U-47172	43-013-30639	SEC 3, T-9-S, R-16-E
Monument Butte 1-3	U-44004	43-013-30642	SEC 3, T-9-S, R-17-E
Monument Butte 2-3	U-61252	43-013-30810	SEC 3, T-9-S, R-17-E

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:	
1- W/C/CLT	
2- DB-7-SJ	
3- W/C 8-FILE	
4- R.I.E. ✓	
5- W/C	
6- PL ✓	

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold) Designation of Agent
 Designation of Operator Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 1-01-94)

TO (new operator)	<u>SNYDER OIL CORPORATION</u>	FROM (former operator)	<u>PHOENIX HYDRO OPER CORP</u>
(address)	<u>PO BOX 129</u>	(address)	<u>PO BOX 2802</u>
	<u>BAGGS WY 82321</u>		<u>MIDLAND TX 79702</u>
	<u>KATHY STAMAN</u>		<u>RHONDA PATTERSON</u>
	phone <u>(307) 383-2800</u>		phone <u>(915) 682-1186</u>
	account no. <u>N 1305</u>		account no. <u>N 9880</u>

Well(s) (attach additional page if needed):

Name: **SEE ATTACHED**	API: <u>047-15880</u>	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- See 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 2-28-94)*
- See 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Rec'd 2-7-94)*
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: _____.
- See 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(2-28-94)*
- See 6. Cardex file has been updated for each well listed above. *(2-28-94)*
- See 7. Well file labels have been updated for each well listed above. *(3-2-94)*
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(2-28-94)*
- See 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Sec 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) ____ (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

*(In progress / Phoenix's IDLOC #m416415 / 80,000 not to be released until replaced) * Both operators aware.*

- Sec 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- 2. A copy of this form has been placed in the new and former operators' bond files. ** Upon compl. of routing.*
- Sec 3. The former operator has requested a release of liability from their bond (yes/no) ____ . Today's date February 28, 1994. If yes, division response was made by letter dated _____ 19____.

EASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated _____ 19____, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested. *bc 2/10/94*
- N/A 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

- ✓ 1. All attachments to this form have been microfilmed. Date: March 30¹⁸ 1994.

FILING

- ✓ 1. Copies of all attachments to this form have been filed in each well file.
- ✓ 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

940228 Partial change only. (see separate change)

FORM 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.
U-38427

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA, Agreement Designation
Southman Canyon

8. Well Name and No.
Southman Canyon Unit #3 (swd)

9. API Well No. **43-047-15880**

10. Field and Pool, or Exploratory Area
Natural Buttes

11. County or Parish, State
UINTAH, UT

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
SNYDER OIL CORPORATION

3. Address and Telephone No.
1625 BROADWAY, SUITE 2200, DENVER, CO. 80202 (303) 592-8500

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)
NE SE Sec 15-T10S-R23E, 2180' FSL 400' FEL

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

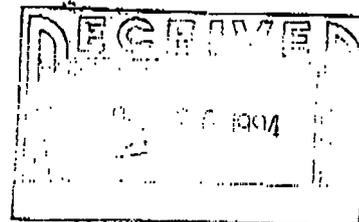
TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input checked="" type="checkbox"/> Casing Repair
	<input checked="" type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

- 9/9/94 Spot Acid in casing w/ 200 gal 7 1/2% HCl w/ Inhibitor
- 9/9/94 Squeeze cement job @ 633' to 759' w/ 25 sx Howco Matrix cement
- 9/12/94 Casing failed @ 5850' upon integrity test. Decided to run 4 1/2" csg inside 7" production csg.
- 9/20/94 Ran 4 1/2", 10.5# production casing to 6064' (cmt w/ 300 sx class "G")
- 9/22/94 Perforated 4 1/2" production casing from 5880' to 5920' and 5982' to 6010'
- 9/23/94 Ran 185 jts 2 3/8", 4.7# tubing (set @ 5805')
- 9/23/94 Set Arrow Set-1 Packer @ 5812'
- 9/23/94 Tested 4 1/2" csg to 1000 psi for 30 min. Casing passed test.

OCT



14. I hereby certify that the foregoing is true and correct

Signed

Charles B. Perry II

Title

Sec. Petroleum Eng.

Date

12-Oct-94

(This space for Federal or State office use)

Approved by

NOTED

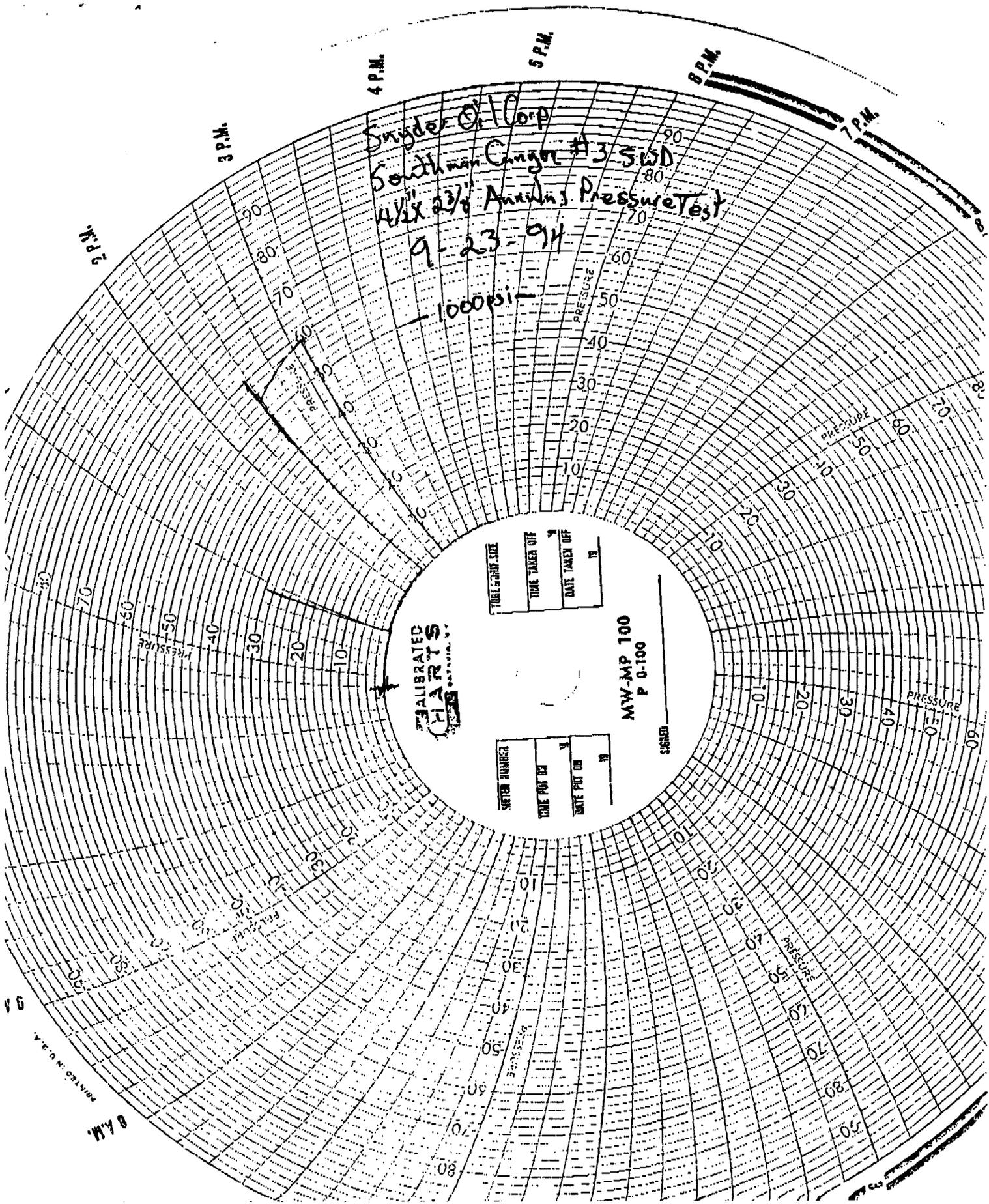
Title

Date

OCT 21 1994

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

***See Instruction on Reverse Side**





Snyder Oil Corporation

P.O. Box 695
Vernal, Utah 84078
801/789-0323

February 29, 1996

Utah State Division of Oil Gas & Mining
3 Triad Center, Suite #350
355 W. North Temple
Salt Lake City, UT 84180-1203

MAR - 1 1996

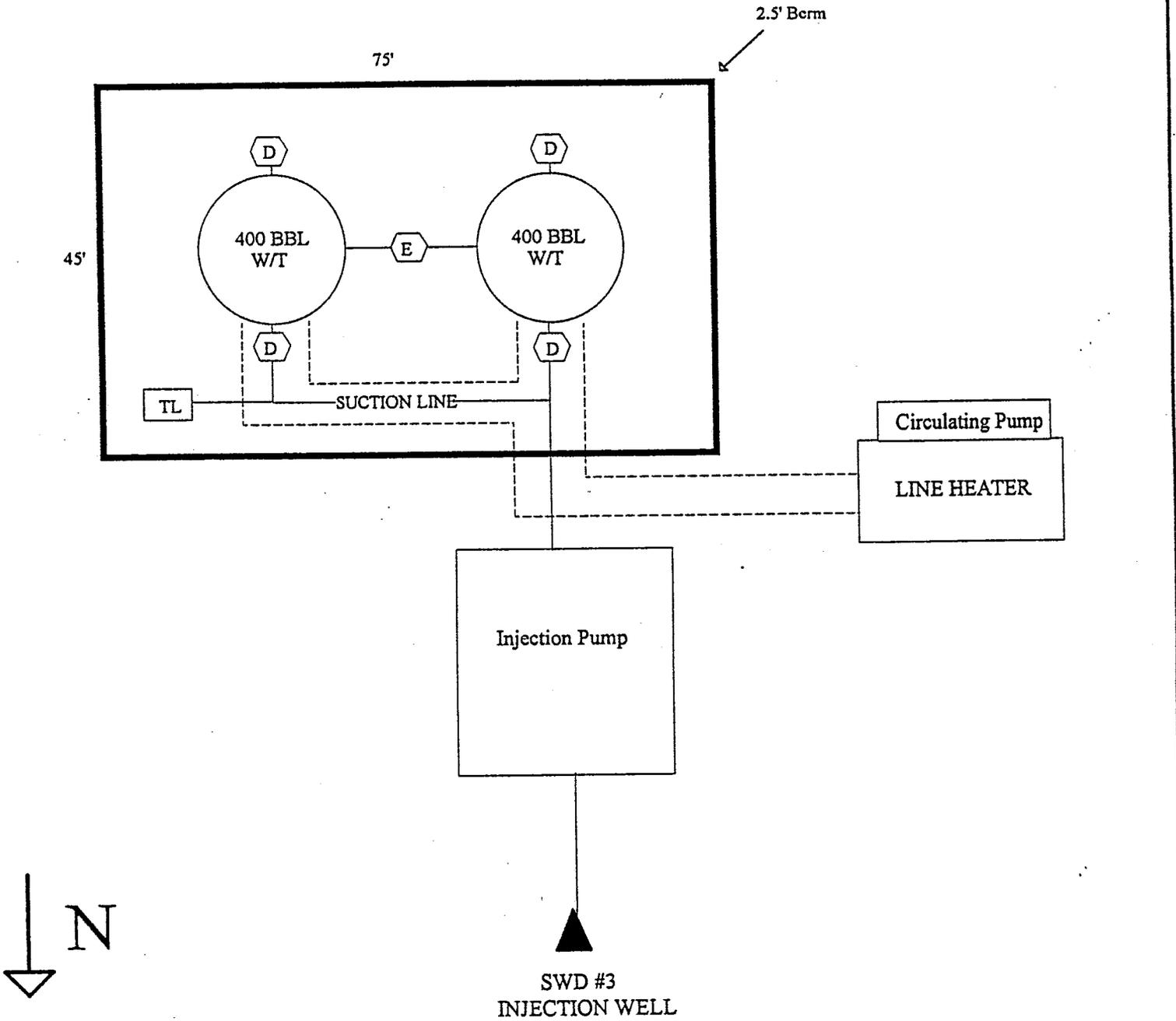
RE: Site Security Diagrams

Gentlemen:

Enclosed are copies of Site Security Diagrams for wells operated by Snyder Oil Corporation. We will send you copies of the rest of the diagrams when we receive them from Buys and Associates. If you have any questions, please contact me at 801-789-0323.

Sincerely,

Lucy Nemecek
Senior Clerk



SITE SECURITY PLAN LOCATED AT:

SNYDER OIL CORPORATION
 P.O. BOX 695
 VERNAL, UT 84078

42-047-15880

Snyder Oil Corporation	
Southman Canyon #3 SWD NESE Sec 15 T10S R23E Uintah County, UT Lease # U-38427	
Prepared By: JT	8/15/95
Revised By: KR	1/15/96
BUYS & ASSOCIATES, INC. Environmental Consultants	

SNYDER OIL CORPORATION

VALVING DETAIL

(Site Security Diagram Attachment)

Position of Valves and Use of Seals for Tanks in Production Phase

Valve	Line Purpose	Position	Seal Installed
E	Overflow/Equalizer	Closed	Yes
F	Fill	Open	No
W	Water	Closed	Yes
D	Drain	Closed	Yes
S	Sales	Closed	Yes

Position of Valves and Use of Seals for the Tank in Sales Phase

Valve	Line Purpose	Position	Seal Installed
E	Overflow/Equalizer	Closed	Yes
F	Fill	Closed	Yes
W	Water	Closed	Yes
D	Drain	Closed	Yes
S	Sales	Closed*	Yes

*The sales line will be opened by the purchaser at the time of sale. Until that time the sales line will remain closed and sealed.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.
USA-U-38427

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Southman Canyon SWD #3

9. API Well No.
43-047-15880

10. Field and Pool, or Exploratory Area
Southman Canyon

11. County or Parish, State
Uintah, Utah

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
SNYDER OIL CORPORATION

3. Address and Telephone No.
P. O. Box 695, Vernal, UT 84078 801/789-0323

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)
**400' FWL 2180' FNI NE/SE
Section 15, T10S, R23E**

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Dispose Water

(Note: Report results of multiple completion or Completion or Recompletion Report and Log f

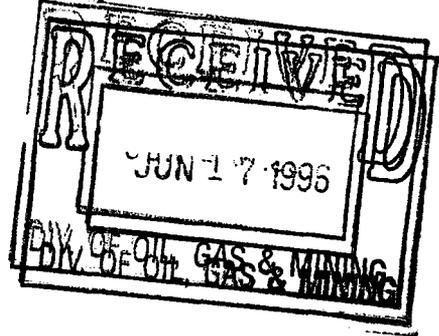
13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is direction ally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Snyder Oil requests approval under Onshore Order #7 to permanently dispose of produced water by tanking and then trucking it to be injected into the above referenced approved water disposal well from the following locations.

Southman Canyon 9-3-M	4304732540	Sec 9, T10S, R23E	Lease UTU37355
Southman Canyon 9-4-J	4304732541	Sec 9, T10S, R23E	Lease UTU37355
Southman Canyon 31-1-L	4304732543	Sec 5, T10S, R23E	Lease UTU74898
Southman Canyon 4-4	4304730632	Sec 4, T10S, R23E	Lease UTU33433

The amount of water produced from the above referenced wells will be reported on the Monthly Report of Operations form MMS-3160.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY**



14. I hereby certify that the foregoing is true and correct

Signed Lucy Nemecek Title Senior Clerk Date 07-Jun-96

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Well name and number: Southman Canyon #3 SWD 43-047-15880
Field or unit name: Natural Buttes
Well location: QQ: NE/SE section: 15 township: 10S range: 23E county: Uintah
Effective Date of Transfer: 6/1/1999

CURRENT OPERATOR

Transfer approved by:

Name: Phyllis Sobotik Company: Snyder Oil Corporation
Signature: Phyllis Sobotik Address: 1625 Broadway, Suite 2200
Title: Sr. Regulatory Specialist Denver, CO 80202
Date: July 13, 1999 Phone: (303)-592-8668

Comments:

NEW OPERATOR

Transfer approved by:

Name: Phyllis Sobotik Company: Santa Fe Snyder Corporation
Signature: Phyllis Sobotik Address: 1625 Broadway, Suite 2200
Title: Sr. Regulatory Specialist Denver, CO 80202
Date: July 13, 1999 Phone: (303)-592-8668

Comments:

(State use only)

Transfer approved by: [Signature] Title: Facilities Services Manager
Approval Date: 8-17-99

SOCO
Snyder Oil Corporation
Southern Region

1200 Smith, Suite 3300
Houston, Texas 77002
713-646-6600

June 7, 1999

State of Utah
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

RE: \$80,000 Surety Blanket P & A Bond #5736975

Dear Sir or Madam:

Santa Fe Snyder Corporation was formed when Snyder Oil Corporation was merged into Santa Fe Energy Resources, Inc. on May 5, 1999. Copies of the approved merger, issued by the Delaware Secretary of State, are enclosed for your files.

As this merger causes "Snyder" to cease to exist and their activities are covered by bond #JZ7777, please release bond # 5736975 and return it to the sender.

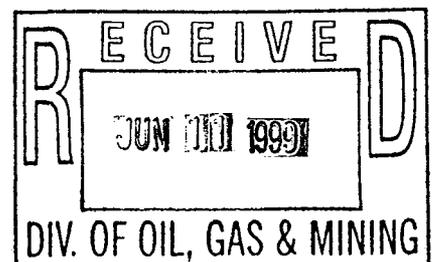
Thank you for your assistance in this matter.

Very truly yours,



Phillip W. Bode

Enclosure



Santa Fe Energy Resources, Inc.

June 7, 1999

State of Utah
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

RE: \$80,000 Surety Blanket P & A Bond #JZ7777

Dear Sir or Madam:

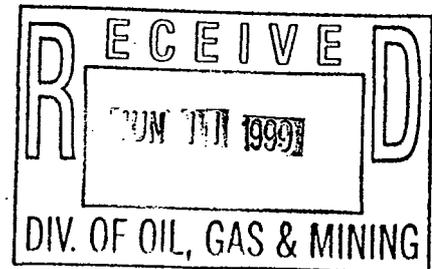
Enclosed is the above bond for Santa Fe Snyder Corporation. This corporation was formed when Snyder Oil Corporation was merged into Santa Fe Energy Resources, Inc. on May 5, 1999. Copies of the approved merger, issued by the Delaware Secretary of State, are enclosed for your files.

Thank you for your assistance in this matter.

Very truly yours,



Phillip W. Bode



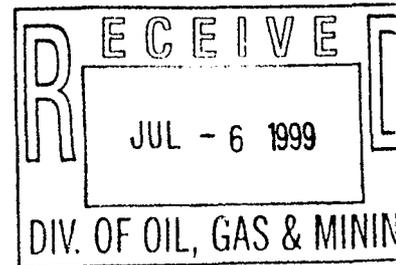
Enclosure



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155



In Reply Refer To:
3106
U-19037 et al
(UT-932)

JUL 1 1999

NOTICE

Santa Fe Snyder Corporation : Oil and Gas
840 Gessner, Suite 1400 :
Houston, TX 77024 :

Merger Recognized Name Change Recognized

Acceptable evidence has been filed in this office concerning the merger of Snyder Oil Corporation into Santa Fe Energy Resources, Inc. and the name being subsequently changed to Santa Fe Snyder Corporation as the surviving entity.

For our purposes the merger and name change are recognized effective June 1, 1999, per company request.

The oil and gas lease files identified on the enclosed exhibits have been noted as to the merger and name change. The exhibits were compiled from lists supplied by Santa Fe Snyder Corporation. We have not adjudicated the case files to determine if the entities affected by the merger and name change hold an interest in the leases identified, nor have we attempted to identify leases where the entities are the operator on the ground, maintaining no vested record title or operating rights interest. We are notifying the Minerals Management Service and all applicable BLM offices of the merger and name change by a copy of this notice. If additional documentation for a change of operator are required by our Field Offices, you will be contacted by them.

By recognition of the merger and the name change the principal on bonds held by Snyder and Santa Fe are automatically changed to Santa Fe Snyder Corporation. Riders to Nationwide Bond No. 400JF 5493 (BLM Bond No. UT0855) and Nationwide Bond No. 5473615 (BLM Bond No. WY2912) have been filed in the Utah State Office. It is the request of Santa Fe Snyder Corporation to change the name on BLM Bond No. UT0855 to reflect the merger/name change, and to terminate the period of liability on BLM Bond No. WY2912. A decision regarding this matter will follow in due course.

Christopher J. Merritt

Christopher J. Merritt
Acting Group Leader,
Minerals Adjudication Group

Enclosures

1. Santa Fe Energy Resources, Inc. Exhibit of Leases
2. Snyder Oil Corporation Exhibit of Leases

cc:

All State Offices
Moab Field Office
Vernal Field Office
MMS—Reference Data Branch, MS 3130, P.O. Box 5860, Denver, CO 80217
State of Utah, DOGM, Attn: Kristen Risbeck (Ste. 1210) Box 145801, SLC, UT 84114-5801
St. Paul Fire & Marine Insurance Co., 385 Washington St., St. Paul, MN 55102
SAFECO Insurance Company of America, SAFECO Plaza, Seattle, WA 98185
Santa Fe Snyder Corp., Attn: Phyllis Sobotik, 1625 Broadway, #2200, Denver, CO 80202
Irene Anderson (UT-932)
Teresa Thompson (UT-931)

SNYDER LEASES

<u>LESSOR</u>	<u>STATE</u>	<u>LESSOR</u>	<u>STATE</u>
USA COC-33237	CO	USA U-0136484	UT
USA COC-36719	CO	USA U-37573	UT
USA LAES 49122	LA	USA U-33433	UT
USA LAES 49123	LA	USA U-47172	UT
USA LAES 49124	LA	USA U-37355	UT
USA LAES 49125	LA	USA UTU-15855	UT
USA LAES 49127	LA	USA U-0142175	UT
USA LAES 49128	LA	USA UTU-02651	UT
USA LAES 49129	LA	USA UTU-02651-B	UT
USA LAES 49130	LA	USA U-34705	UT
USA LAES 49131	LA	USA U-40729	UT
USA LAES 49132	LA	USA U-58097	UT
USA LAES 49133	LA	USA U-30289	UT
USA LAES 49134	LA	USA UTU-72632	UT
USA LAES 49135	LA	USA UTU-73013	UT
USA LAES 49136	LA	USA UTU-64376	UT
USA LAES 49137	LA	USA UTU-38261	UT
USA LAES 49138	LA	USA UTU-28212	UT
USA LAES 49139	LA	USA UTU-28213	UT
USA LAES 49140	LA	USA UTU-38419	UT
USA LAES 49141	LA	USA U-53861	UT
USA LAES 49142	LA	USA UTU-38418	UT
USA LAES 49143	LA	USA UTU-66401	UT
USA LAES 49144	LA	USA U-38423	UT
USA LAES 49145	LA	USA UTU-38425	UT
USA LAES 49146	LA	USA U-38421	UT
USA LAES 49147	LA	USA UTU-38428	UT
USA LAES 49148	LA	USA U-38420	UT
USA LAES 49149	LA	USA UTU-34350	UT
USA LAES 49150	LA	USA UTU-39223	UT
USA LAES 49151	LA	USA U-64923	UT
USA LAES 49152	LA	USA UTU-40736	UT
USA LAES 49153	LA	USA U-075939	UT
USA LAES 49154	LA	USA U-70235	UT
USA LAES 49155	LA	USA UTU-44426	UT
USA LAES 49156	LA	USA UTU-57495	UT
USA LAES 49157	LA	USA UTU-57503	UT
USA LAES 49158	LA	USA UTU-52106	UT
USA LAES 49159	LA	USA UTU-59121	UT
USA LAES 49160	LA	USA UTU-73009	UT
USA LAES 49161	LA	USA UTU-73010	UT
USA LAES 49162	LA	USA UTU-50490	UT
USA LAES 49163	LA	USA UTU-65126	UT
USA LAES 49164	LA	USA UTU-49228	UT
USA LAES 49165	LA	USA UTU-53127	UT
USA LAES 49166	LA	USA UTU-65132	UT
USA LAES 49167	LA	USA UTU-63951	UT
USA LAES 49168	LA	USA UTU-47483	UT
USA LAES 49169	LA	USA UTU-63978	UT
USA LAES 49170	LA	USA UTU-69116	UT
USA LAES 49171	LA	USA UTU-65138	UT

SNYDER LEASES

<u>LESSOR</u>	<u>STATE</u>	<u>LESSOR</u>	<u>STATE</u>
USA LAES 49172	LA	USA UTU-54774	UT
USA LAES 49173	LA	USA UTU-71230	UT
USA LAES 49174	LA	USA UTU-71234	UT
USA LAES 49175	LA	USA UTU-44799	UT
USA LAES 49176	LA	USA UTU-57512	UT
USA LAES 49177	LA	USA UTU-53084	UT
USA LAES 49178	LA	USA UTU-53938	UT
USA LAES 49179	LA	USA UTU-61936	UT
USA LAES 49180	LA	USA UTU-47127	UT
USA LAES 49181	LA	USA UTU-53918	UT
USA LAES 49183	LA	USA UTU-47484	UT
USA LAES 49194	LA	USA UTU-53946	UT
USA LAES 49198	LA	USA UTU-53941	UT
USA LAES 49199	LA	USA UTU-42531	UT
USA LAES 49200	LA	USA U-49245	UT
USA LAES 49201	LA	USA U-50802	UT
USA MTM-38582-A	MT	USA UTU-0647	UT
USA MTM-63708	MT	USA UTU-50687	UT
USA M-13323 (ND)	ND	USA UTU-37116	UT
USA M-68863 (SD)	SD	USA UTU-59122	UT
USA UTU-70189	UT	USA UTU-63985	UT
USA UTU-73175	UT	USA UTU-52298	UT
USA UTU-73434	UT	USA UTU-7386	UT
USA UTU-73435	UT	USA UTU-67178	UT
USA UTU-73444	UT	USA UTU-67549	UT
USA UTU-73450	UT	USA UTU-74416	UT
USA U-8345	UT	USA UTU-74413	UT
USA U-14646	UT	USA UTU-73900	UT
USA U-66746	UT	USA UTU-67868	UT
USA UTU-42469	UT	USA UTU-74414	UT
USA U-65222	UT	USA UTU-49530	UT
USA U-61263	UT	USA UTU-53860	UT
USA UTU-29535	UT	USA UTU-34711	UT
USA U-25880	UT	USA UTU-46699	UT
USA U-65223	UT	USA UTU-73643	UT
USA U-29797	UT	USA UTU-0141804	UT
USA UTU-0109054	UT	USA UTU-75091	UT
USA UTU-8346	UT	USA UTU-75097	UT
USA U-8347	UT	USA UTU-74972	UT
USA UTU-8344	UT	USA UTU-75096	UT
USA U-8344-A	UT	USA UTU-74415	UT
USA UTU-8348	UT	USA UTU-38401	UT
USA U-38424	UT	USA UTU-38411	UT
USA U-38427	UT	USA UTU-31260	UT
USA SL-065841-A	UT	USA UTU-59654	UT
USA UTU-31736	UT	USA U-14219	UT
USA U-38426	UT	USA UTU-30123	UT
USA U-44090-A	UT	USA UTU-34714	UT
USA U-71694	UT	USA UTU-10134	UT
USA U-72028	UT	USA UTU-10830	UT
USA U-51026	UT	USA UTU-14223	UT

SANTA FE LEASES

<u>LESSOR</u>	<u>STATE</u>	<u>LESSOR</u>	<u>STATE</u>
BLM NMNM-92488	NM	BLM WYW-59145	WY
BLM NMNM-45235	NM	BLM WYW-43661	WY
BLM NMNM-24877	NM	BLM WYW-0311938	WY
BLM NMNM-93398	NM	BLM WYW-52562	WY
BLM NMNM-96591	NM	BLM WYW EV-022932	WY
BLM NMNM-77894	NM	BLM WYW-27645	WY
BLM NMNM-65900	NM	BLM WYW-043930-A	WY
BLM NMNM-87977	NM	BLM WYW EV-026056	WY
BLM NMNM-65864	NM	BLM WYW-0322610	WY
BLM NMNM-95879	NM	BLM WYW-0320213	WY
BLM NMNM-97394	NM	BLM EV-023313-A	WY
BLM NMNM-98005	NM	BLM WYW-9578	WY
BLM NMNM-98006	NM	BLM WYW-96918	WY
BLM NMNM-98010	NM	BLM WYW-0320078	WY
BLM NMNM-95418	NM	BLM WYW-035599	WY
BLM NMNM-25667	NM	BLM WYW-2120	WY
BLM NMNM-98300	NM	BLM WYEV-024469	WY
BLM NMNM-98033	NM	BLM WYW-0136175	WY
BLM NMNM-998271	NM	BLM WYW-0136177	WY
BLM NMNM-98305	NM	BLM WYW-05991	WY
BLM NMNM-91179	NM	BLM WYW-02736	WY
BLM NMNM-85420	NM	BLM WYW EV-025548	WY
BLM NMNM-100956	NM	BLM EV-023313-E	WY
BLM NMNM-58393	NM	BLM EV-023313-B	WY
BLM OKNM 23555	OK	BLM WYW-21124	WY
BLM NM 15074 (OKLA)	OK	BLM WYW EV-022931	WY
BLM UTU-19037	UT	BLM WYW-61240	WY
BLM UTU-55626	UT	BLM WYW-18480	WY
BLM UTU-38354	UT	BLM WYW-51654	WY
BLM UTU-38401	UT	BLM WYW-50676	WY
BLM UTU-38430	UT	BLM COC-036289 A&B	WY
BLM UTU-42823	UT	BLM WYW-0942	WY
BLM WYEV-026201	WY	BLM WYW-63210	WY
BLM WYW-35860	WY	BLM WYW-66866	WY
BLM WYW-47198	WY	BLM WYW-102793	WY
BLM WYEV-022765	WY	BLM WYW-107726	WY
BLM WYEV-023941	WY	BLM W-70335	WY
BLM WYEV-026196	WY	BLM W-70496	WY
BLM WYEV-026201	WY	BLM W-70326	WY
BLM WYEV-026202	WY	BLM W-55746	WY
BLM WYEV-026204	WY	BLM W-56480	WY
BLM WYEV-026205	WY		
BLM WYEV-026208	WY		
BLM WYEV-026209	WY		
BLM WYW-04674	WY		
BLM WYW-023207	WY		
BLM WYW-023211	WY		
BLM WYW-0268735	WY		
BLM WYCHEY-037066	WY		
BLM WYW-58075	WY		
BLM WYW-17284	WY		
BLM WYW-17296	WY		
BLM WYW-17282(A)	WY		
BLM WYW-55067	WY		

Santa Fe Snyder Corporation

July 2, 1999

Utah Division of Oil, Gas & Mining
1594 W. North Temple, Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801

Attn.: Ms. Kristen Risbeck

RE: Company Merger
Surety Bond Number - JZ 7777
Operator Number - N2000

Dear Ms. Risbeck:

Snyder Oil Corporation (SOCO) and Santa Fe Energy Resources, Inc. (Santa Fe) have merged to form Santa Fe Snyder Corporation (SFS). The legal acceptance date of the merger is May 5, 1999. However in an effort to simplify documentation issues, SFS requests that June 1, 1999 be used as the effective date of merger.

Please change all operated facilities, Applications to Drill (approved and in process) and any other regulatory filings from Snyder Oil Corporation to Santa Fe Snyder Corporation. Attached is the following information in support of this request.

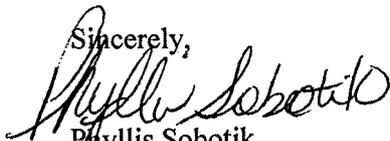
Copy of Merger Certificate
Copy of the Office of the Secretary of State's Acceptance
Sundry Notices for Properties Located on Fee or State Land
Sundry Notice for Federal Properties
Spreadsheet of all Utah Facilities Operated by SOCO

All correspondence, documents, notifications, etc. should continue to be sent to SFS at the following address

1625 Broadway, Suite 2200
Denver, CO 80202

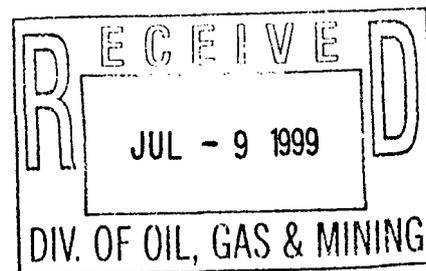
Please inform SFS when this request has been accepted and the changes are finalized. If any questions arise or additional information is required, please contact me at 303-592-8668.

Sincerely,


Phyllis Sobotik
Sr. Regulatory Specialist

/ps
Enclosures:

1625 Broadway
Suite 2200
Denver, Colorado 80202
303/592-8500
Fax 303/592-8600



Office of the Secretary of State

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"SNYDER OIL CORPORATION", A DELAWARE CORPORATION,
WITH AND INTO "SANTA FE ENERGY RESOURCES, INC." UNDER THE NAME OF "SANTA FE SNYDER CORPORATION", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE FIFTH DAY OF MAY, A.D. 1999, AT 11 O'CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



A handwritten signature in cursive script, reading "Edward J. Freel".

Edward J. Freel, Secretary of State

0774411 8100M

991177495

AUTHENTICATION: 9725623

DATE: 05-05-99

CERTIFICATE OF MERGER

Merger of Snyder Oil Corporation, a Delaware corporation
With and Into
Santa Fe Energy Resources, Inc., a Delaware corporation

Pursuant to the provisions of Section 251 of the Delaware General Corporation Law, the undersigned certifies as follows concerning the merger (the "Merger") of Snyder Oil Corporation, a Delaware corporation, with and into Santa Fe Energy Resources, Inc., a Delaware corporation, with Santa Fe Energy Resources, Inc. as the surviving corporation (the "Surviving Corporation").

1. The Agreement and Plan of Merger, dated as of January 13, 1999 (the Agreement and Plan of Merger being hereinafter referred to as the "Merger Agreement") has been approved, adopted, certified, executed and acknowledged by Snyder Oil Corporation and Santa Fe Energy Resources, Inc. in accordance with Section 251 of the Delaware General Corporation Law.

2. The Merger contemplated in the Merger Agreement and this Certificate of Merger will be effective immediately upon the filing of this Certificate of Merger

3. The name of the Surviving Corporation shall be Santa Fe Energy Resources, Inc. which shall be changed herewith to Santa Fe Snyder Corporation.

4. Article FIRST of the Restated Certificate of Incorporation of Santa Fe Energy Resources, Inc. is amended, effective as of the date hereof, to read in its entirety as follows:

"FIRST: The name of the corporation (hereinafter referred to as the "Corporation") is Santa Fe Snyder Corporation."

and that the first paragraph of Article FOURTH of the Restated Certificate of Incorporation of Santa Fe Energy Resources, Inc. is amended, effective as of the date hereof, to read in its entirety as follows:

"FOURTH: The total number of shares of all classes of capital stock which the Corporation shall have authority to issue is 350,000,000, of which 50,000,000 shares shall be Preferred Stock, par value \$.01 per share, and 300,000,000 shares shall be Common Stock, par value \$.01 per share."

The Restated Certificate of Incorporation of Santa Fe Energy Resources, Inc., as amended, in effect at the effective time of the Merger shall be the certificate of incorporation of the

Surviving Corporation.

5. The executed Merger Agreement is on file at the principal place of business of the Surviving Corporation, 1616 South Voss Road, Houston, Texas 77057.

6. A copy of the Merger Agreement will be furnished by the Surviving Corporation, on request and without cost, to any stockholder of Snyder Oil Corporation or Santa Fe Energy Resources, Inc.

Dated this 5th day of May, 1999.

SANTA FE ENERGY RESOURCES, INC.

By: David L. Hicks
Name: David L. Hicks
Title: Vice President — Law and
General Counsel

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

See Attached List

2. Name of Operator

Santa Fe Snyder Corporation

Attn.: Phyllis Sobotik

3. Address and Telephone No.

1625 Broadway, Suite 2200, Denver, CO 80202

303-592-8668

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

See Attached List

5. Lease Designation and Serial No.

See Attached List

6. If Indian, Allottee or Tribe Name

See Attached List

7. If Unit or CA, Agreement Designation

8. Well Name and No.

See Attached List

9. API Well No.

See Attached List

10. Field and Pool, or Exploratory Area

See Attached List

11. County or Parish, State

See Attached List

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other Change of Operator

Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection
 Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

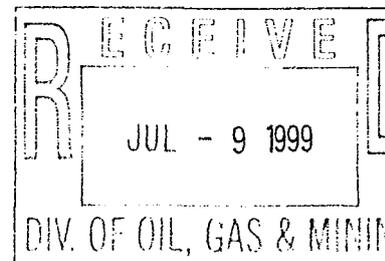
Snyder Oil Corporation and Santa Fe Energy Resources, Inc. have merged to form Santa Fe Snyder Corporation. The legal acceptance date of the merger is May 5, 1999. However in an effort to simplify documentation issues, Santa Fe Snyder Corporation requests that June 1, 1999 be used as the effective date of merger.

A copy of the Merger Certificate and of the Office of the Secretary of State's Acceptance is attached.

Nationwide BLM Bond Number - UT-0855

Surety Bond Number - 400JF 5433

Please contact Phyllis Sobotik at 303-592-8668 if you have any questions.



14. I hereby certify that the foregoing is true and correct

Signed

Phyllis Sobotik

Title

Sr. Regulatory Specialist

Date

01-Jul-99

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

***See Instruction on Reverse Side**

UTAH FACILITIES

Lease	Unit Name	Tribe Name	Field	Stat	County	1/41/4	S	T	R	Lease Number	Mineral Type	API Number	Comments
Horseshoe Bend #4-10			Horseshoe Bend	INA	Uintah	NW/SE	4	7S	22E	U 0136484	FED	43-047-32577	11728
✓ Horseshoe Bend #36-1P			Horseshoe Bend	ACT	Uintah	SE/SE	36	6S	21E	ML 33225	STATE	43-047-31482	9815
Horseshoe Bend Compressor Site			Horseshoe Bend	ACT	Uintah		4	7S	21E				
Jack Rabbit #1-11			Natural Buttes	INA	Uintah	SW/NE	11	10S	23E	U 38425	FED	43-047-30423	1475
✓ L.C.K. #30-1H			Horseshoe Bend	ACT	Uintah	SE/NE	30	6S	21E	N/A	FEE	43-047-31588	10202
Lafkas Federal #1-3			Hill Creek	INA	Uintah	SW/SW	3	11S	20E	U 34350	FED	43-047-31178	1367
Lizzard Creek #1-10			Bitter Creek	ACT	Uintah	NW/NW	10	11S	22E	U 25880	FED	43-047-31475	9870
✓ Lookout Point #1-16			Natural Buttes	ACT	Uintah	NE/SE	16	10S	23E	ML 22186 A	STATE	43-047-30544	1495
Love Unit #1-11	Love		Love	ACT	Uintah	C/SW	11	11S	21E	U 008344 A	FED	43-047-30617	1366
Love Unit #1-12	Love		Love	ACT	Uintah	SW/NW	12	11S	21E	U 008344 A	FED	43-047-30638	1366
Love Unit #4-1	Love		Love	INA	Uintah	NW/SW	4	11S	21E	U 8347	FED	43-047-30640	1366
Love Unit #A1-18	Love		Love	ACT	Uintah	SW/SE	18	11S	21E	U 8348	FED	43-047-30706	1366
Love Unit #B1-10	Love		Love	ACT	Uintah	SE/SW	10	11S	21E	U 8347	FED	43-047-30709	1366
Love Unit #B2-3	Love		Love	INA	Uintah	SW/SW	3	11S	21E	U 8347	FED	43-047-30766	1366
Love Unit Compressor Site			Love	ACT	Uintah			11S	21E				
Madeline #4-3C			Horseshoe Bend	ACT	Uintah	Lot 3	4	7S	21E	U 42469	FED	43-047-32279	11379
McLish #1	Walker Hollow		Walker Hollow (Horseshoe Bend)	ACT	Uintah	SW/SW	8	7S	23E	U 02651	FED	43-047-20280	2760
McLish #2	Walker Hollow		Walker Hollow (Horseshoe Bend)	INA	Uintah	SW/SE	8	7S	23E	U 02651	FED	43-047-30011	2760
McLish #3			Walker Hollow (Horseshoe Bend)	ACT	Uintah	NE/SE	8	7S	23E	U 02651	FED	43-047-30027	112504
McLish #4	Walker Hollow		Walker Hollow (Horseshoe Bend)	INA	Uintah	NE/SW	8	7S	23E	U 02651	FED	43-047-30030	2760
Natural #1-7			Love (Horseshoe Bend)	INA	Uintah	NW/NE	7	11S	21E	U 8345	FED	43-047-30148	6129
No Name Canyon #1-9			Natural Buttes	ACT	Uintah	SE/NE	9	10S	23E	U 37355	FED	43-047-30378	1466
No Name Canyon #2-9			Natural Buttes	ACT	Uintah	NE/NW	8	10S	23E	U 37355	FED	43-047-31504	1468
NSO Federal #1-12			Natural Buttes	ACT	Uintah	NE/NW	12	10S	23E	U 38423	FED	43-047-30560	1480
Pan American #1	Walker Hollow		Walker Hollow (Horseshoe Bend)	INA	Uintah	SW/NW	9	7S	23E	U 02651 A	FED	43-047-30037	
✓ Pan American #2	Walker Hollow		Walker Hollow (Horseshoe Bend)	INA	Uintah	NW/SW	9	7S	23E	U 02651 A	FED	43-047-30038	2760
✓ Pariette Draw #28-44			Windy Ridge West (Eight Mile Flat N.)	ACT	Uintah	SE/SE	28	4S	1E	N/A	FEE	43-047-31408	4960
Pete's Flat #1-1			Natural Buttes	INA	Uintah	NE/SE	1	10S	23E	U 38423	FED	43-047-30558	1510
Sage Hen #1-6			Natural Buttes	INA	Uintah	NE/SE	6	10S	23E	U 38419	FED	43-047-30382	1490
Sagebrush #1-8			Natural Buttes	TAD	Uintah	SW/NE	8	10S	23E	U 37355	FED	43-047-30383	1467
Shepherd #1-10			Natural Buttes	ACT	Uintah	NE/SE	10	10S	23E	U 38424	FED	43-047-30559	1470
Southman Canyon #1-5 (Federal #1-5)			Natural Buttes	ACT	Uintah	SE/NW	5	10S	23E	U 33433	FED	43-047-30856	10689
Southman Canyon #3			Natural Buttes	WDW	Uintah	NE/SE	15	10S	23E	U 66406	FED	43-047-15880	Saltwater Disposal 99990
Southman Canyon #4-4 (Federal #4-4)			Natural Buttes	INA	Uintah	NW/SE	4	10S	23E	U 33433	FED	43-047-30632	10690
Southman Canyon #4-5			Natural Buttes	ACT	Uintah	NE/SE	5	10S	23E	U 33433	FED	43-047-30633	6131
Southman Canyon #9-3M			Natural Buttes	ACT	Uintah	SW/SW	9	10S	23E	U 37355	FED	43-047-32540	11767
Southman Canyon #9-4J			Natural Buttes	ACT	Uintah	NW/SE	9	10S	23E	U 37355	FED	43-047-32541	11685
Southman Canyon #31-1L			Natural Buttes	ACT	Uintah	SW/	31	9S	23E	U 33433	FED	43-047-32543	11678
✓ State #14-16			Brennan Bottom	ACT	Uintah	SW/SW	16	7S	21E	ML 40904	STATE	43-047-31417	8010

OPERATOR CHANGE WORKSHEET

Routing:	
1-KDR ✓	6-KAS ✓
2-GLH ✓	7-SJ 170
3-JRB ✓	8-FILE ✓
4-CDW ✓	9-FILE ✓
5-KDR ✓	

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold)
- Designation of Agent
- Designation of Operator
- Operator Name Change Only (MERGER)

The operator of the well(s) listed below has changed, effective: 6-1-99

TO: (new operator)	<u>SANTE FE SNYDER CORPORATION</u>	FROM: (old operator)	<u>SNYDER OIL CORPORATION</u>
(address)	<u>P.O. BOX 129</u>	(address)	<u>P.O. BOX 129</u>
	<u>BAGGS, WYOMING 82321</u>		<u>BAGGS, WYOMING 82321</u>
	<u>Phone: (307) 383-2800</u>		<u>Phone: (307) 383-2800</u>
	<u>Account no. N2000 (6-24-99)</u>		<u>Account no. N1305</u>

WELL(S) attach additional page if needed: ***HORSESHOE BEND, LOVE, EAST BENCH & WALKER HOLLOW UNITS**

Name: <u>*SEE ATTACHED*</u>	API: <u>93-097-15880</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

OPERATOR CHANGE DOCUMENTATION

1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). *(rec'd 6.11.99)*
2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(rec'd 6.11.99)*
3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is the company registered with the state? (yes/no) ____ If yes, show company file number: #011879
4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of Federal and Indian well operator changes should ordinarily take place prior to the division's approval, and before the completion of steps 5 through 9 below. *(rec'd 7.6.99)*
5. Changes have been entered in the Oil and Gas Information System (3270) for each well listed above. *(7.12.99)*
6. Cardex file has been updated for each well listed above.
7. Well file labels have been updated for each well listed above. *(new system)*
8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(8.2.99)*
9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- DR 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) (no) If entity assignments were changed, attach copies of Form 6, Entity Action Form.
- DR 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.

BOND VERIFICATION - (FEE WELLS ONLY)

- DR 1. (r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond.
 (Rec'd 6-11-99 #J27777)
- DR 2. A copy of this form has been placed in the new and former operator's bond files.
- DR 3. The FORMER operator has requested a release of liability from their bond (yes/no) (no), as of today's date 6-11-99. If yes, division response was made to this request by letter dated Aug. 12, 1999

LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- DR 1. Copies of documents have been sent on 8/12/99 to Ed Bonner at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- JJA 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated _____ 19 __, of their responsibility to notify all interest owners of this change.

FILMING

- KS 1. All attachments to this form have been microfilmed. Today's date: 9-29-99.

FILING

- 1. Copies of all attachments to this form have been filed in each well file.
- 2. The original of this form, and the original attachments are now being filed in the Operator Change file.

COMMENTS

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Well name and number: Southman Canyon #3 SWD
Field or unit name: Natural Buttes
Well location: QQ: NE/SE section: 15 township: 10S range: 23E county: Uintah
Effective Date of Transfer: 9/1/1999

CURRENT OPERATOR

Transfer approved by:

Name: Phyllis Sobotik Company: Santa Fe Snyder Corporation
Signature: *Phyllis Sobotik* Address: 1625 Broadway, Suite 2200
Title: Sr. Regulatory Specialist Denver, CO 80202
Date: September 1, 1999 Phone: 303-592-8668

Comments:

NEW OPERATOR

Transfer approved by:

Name: *W. L. Donnelly* Company: Coastal Oil & Gas Corporation
~~Ronald M. Routh~~
Signature: *W. L. Donnelly* Address: P. O. Box 1148
Title: *Vice President* Vernal, Utah 84078
~~Sr. Environmental Coordinator~~
Date: *AUGUST 31, 1999* Phone: 435-781-7021

Comments:

(State use only) *This well is due for a mechanical integrity test.*

Transfer approved by: *Bill Hunt* Title: *Tech. Services Manager*
Approval Date: *4-4-00*



United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

Uintah and Ouray Agency

P. O. Box 130

988 South 7500 East

Fort Duchesne, Utah 84026-0130

Phone: (435) 722-4300

Fax: (435) 722-2323

IN REPLY REFER TO:
Minerals and Mining
Phone: (435) 722-4310
Fax: (435) 722-2809

September 21, 1999

Coastal Oil & Gas Corporation
Attn: Don Spicer
Nine Greenway Plaza
Houston, TX 77046-0995

Santa Fe Snyder Corporation
Attn: Phyllis Sobotik
1625 Broadway, #2200
Denver, CO 80202

Dear Mr. Spicer and Mrs. Sobotik:

We have received copies of Sundry Notices, dated August 8, 1999, informing this office of a change of operator for the following wells:

OPERATOR - FROM: Santa Fe Snyder Corporation
TO: Coastal Oil & Gas Corporation

Legal Description	Lease No.	Well No.	Location
Sec. 13-T4S-R1E	14-20-H62-4376	Ute Tribal 13-1 ✓	NENE
Sec. 15-T4S-R1E	14-20-H62-4527	Ute Tribal 15-1 ✓	SWSW
Sec. 16-T4S-R1E	14-20-H62-4526	Ute Tribal 16-1 ✓	SESE
Sec. 21-T4S-R1E	14-20-H62-4418	Ute Tribal 21-1 ✓	NENE
		Ute Tribal 21-W-1 ✓	NENE
		Ute Tribal 21-2H ✓	SENE
		Ute Tribal 21-3B ✓	NWNE
		Ute Tribal 21-4G ✓	SWNE
		Ute Tribal 21-5C ✓	NENW
Sec. 22-T4S-R1E	14-20-H62-4528	Ute Tribal 22-1 ✓	NWNW
		Ute Tribal 22-2 ✓	SWNW
		Ute Tribal 22-4I ✓	NESE
Sec. 23-T4S-R1E	14-20-H62-4529	Ute Tribal 23-1 ✓	SWSE
Sec. 25-T4S-R1E	14-20-H62-4417	Ute Tribal 25-1 ✓	SWNW
		Ute Tribal 25-F ✓	SENE
Sec. 26-T4S-R1E	14-20-H62-4386	Ute Tribal 26-1 ✓	SENE
		Ute Tribal 26-1C ✓	NENE
		Ute Tribal 26-3G ✓	SENE
		Ute Tribal 26-5J ✓	NWSE
		Ute Tribal 27-1 ✓	NWNW

Change of Operator

This change of operator will be effective on September 1, 1999.

All operations will be covered under Coastal Oil & Gas Corporation Bond filed with this office, for those wells on trust property.

Please be advised that approval of these change of operator does not replace the Lessee(s) of Record for the Oil and Gas Leases in the name of Santa Fe Snyder Corporation, nor does it relieve the Lessee(s) of Record of their responsibilities according to lease terms and conditions.

If you have any questions regarding the above, please contact this office at (801) 722-4310.

Sincerely,



Acting Superintendent

cc: Jerry Kenczka, BLM/Vernal
Energy & Minerals, Ute Tribe
Ute Distribution Corporation, Roosevelt, UT
Lisha Cordova, State of Utah
Theresa Thompson, BLM/State Office



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Vernal District Office

170 South 500 East

Vernal, Utah 84078-2799

<http://www.blm.gov/utah/vernal>

Phone: (801) 781-4400

Fax: (801) 781-4410

IN REPLY REFER TO:

3162.3
UT08300

November 2, 1999

Coastal Oil & Gas Corp.
P. O. Box 1148
Vernal, Utah 84078

Re: Well No. Southman Canyon 3
NESE, Sec. 15, T10S, R23E
Lease No. U-38427
Uintah County, Utah

43-047-15880 (W1W)

Gentlemen:

This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced well. After a review by this office, the change in operator request is approved. Effective immediately, Coastal Oil & Gas Corporation is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. WY2793, for all operations conducted on the referenced well on the leased land.

If you have any other questions concerning this matter, please contact Margie Herrmann or Pat Sutton of this office at (801) 781-4400.

Sincerely,

Howard B. Cleavinger II
Assistant Field Manager
Minerals Resources

cc: ~~Division Oil, Gas, & Mining~~
Santa Fe Snyder Corp.

OPERATOR CHANGE WORKSHEET

ROUTING:

1-GLH ✓	5-KAS ✓
2-GLK	6-SJ
3-CDW ✓	7-FILE
4-JLT ✓	

Attach all documentation received by the Division regarding this change.

Check each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (Well Sold) Designation of Agent
- Operator Name Change Only Merger

The operator of the well(s) listed below has changed, effective: 9-1-99

TO:(New Operator) COASTAL OIL & GAS CORP.
 Address: P. O. BOX 1148
VERNAL, UT 84078
 Phone: 1-(435)-781-7021
 Account No. N0230

FROM:(Old Operator) SANTA FE SNYDER CORP.
 Address: 1625 BROADWAY, SUITE 2200
DENVER, CO 80202
 Phone: 1-(303)-592-8668
 Account No. N2000

WELL(S):	CA No.	or	Unit
Name: <u>UTE 26-1</u>	API: <u>43-047-31822</u>	Entity: <u>12010</u>	<u>S 26 T 4S R 1E</u> Lease: <u>IND-4386</u>
Name: <u>SOUTHMAN CANYON U 3</u>	API: <u>43-047-15880</u>	Entity: <u>99990</u>	<u>S 15 T 10S R 23E</u> Lease: <u>U-38427</u>
Name: _____	API: _____	Entity: _____	<u>S T R</u> Lease: _____
Name: _____	API: _____	Entity: _____	<u>S T R</u> Lease: _____
Name: _____	API: _____	Entity: _____	<u>S T R</u> Lease: _____
Name: _____	API: _____	Entity: _____	<u>S T R</u> Lease: _____
Name: _____	API: _____	Entity: _____	<u>S T R</u> Lease: _____
Name: _____	API: _____	Entity: _____	<u>S T R</u> Lease: _____

OPERATOR CHANGE DOCUMENTATION

- YES 1. A pending operator change file has been set up.
- X 2. (R649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator on 2-2-99.
- X 3. (R649-8-10) Sundry or other legal documentation has been received from the **NEW** operator on 2-24-99.
- X 4. The new company has been looked up in the **Department of Commerce, Division of Corporations Database** if the new operator above is not currently operating any wells in Utah. Is the operator registered with the State? **Yes/No** If yes, the company file number is 17102. If no, Division letter was mailed to the new operator on _____.
- YES 5. **Federal and Indian Lease Wells.** The BLM or the BIA has approved the operator change for all wells listed above involving Federal or Indian leases on 10-18-99 & 11-2-99 respectively.
- N/A 6. **Federal and Indian Units.** The BLM or the BIA has approved the successor of unit operator for all wells listed above involving unit operations on _____.
- N/A 7. **Federal and Indian Communitization Agreements ("CA").** The BLM or the BIA has approved the operator change for all wells listed above involved in the CA on _____.

- X 8. **Underground Injection Control ("UIC") Program.** The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project and/or for the water disposal well(s) listed above on 4-4-00 .
- X 9. Changes have been entered in the **Oil and Gas Information System** for each well listed on 4-4-00
- X 10. Changes have been included on the **Monthly Operator Change letter** on 4-4-00 .

STATE BOND VERIFICATION

N/A 1. State Well(s) covered by Bond No. _____.

FEE WELLS - BOND VERIFICATION / LEASE INTEREST OWNER NOTIFICATION

- N/A 1. (R649-3-1) The **NEW** operator of any fee lease well(s) listed above has furnished a proper bond.
- N/A 2. A copy of this form has been placed in the **new and former operator's bond files** on _____.
- N/A 3. The **FORMER** operator has requested a release of liability from their bond as of todays date _____? If yes, Division response was made to this request by letter dated _____ (see bond file).
- N/A 4. (R649-2-10) The **Former** operator of any Fee lease wells listed above has been contacted and informed by letter dated _____, of their responsibility to notify all interest owners of this change.

FILMING

✓ 1. All attachments to this form have been microfilmed on 3-26-01 / 6-1-00 .

FILING

- _____ 1. **Originals/Copies** of all attachments pertaining to each individual well have been filed in each **well file**.
- _____ 2. The **original of this form** has been filed in the operator file and a copy in the old operator file.

COMMENTS

Copy

Mechanical Integrity Test Casing or Annulus Pressure Test

U.S. Environmental Protection Agency
Underground Injection Control Program, UIC Implementation Section, 8WM-DW
999 18th Street, Suite 500, Denver, CO 80202-2466

EPA Witness: _____ Date 7/25/88 Time 3:30 am (pm)
Test conducted by: B.J. Services
Others present: VERN JACOBI / Rex Edwards

Well: South Man Canyon #3 SWD Well ID: 43-047-15880
Field: South Man Canyon Company: COGC
Well Location: S10 T15 R23E Address: _____
Sec. 15, T10S, R23E

Time	Test #1	Test #2	Test #3
<u>12:00 PM</u> 0 min	<u>2500</u> psig	<u>2180</u> psig	_____ psig
5	<u>2500</u>	<u>2140</u>	_____
10	<u>2500</u>	<u>2130</u>	_____
15	<u>2500</u>	<u>2110</u>	_____
20	<u>2500</u>	<u>2090</u>	_____
25	<u>2500</u>	<u>2090</u>	_____
30 min	<u>2500</u>	<u>2090</u>	_____
35	<u>2500</u>	<u>2080</u>	_____
40	<u>2500</u>	<u>2070</u>	_____
45	<u>2500</u>	<u>2060</u>	_____
50	<u>2500</u>	<u>2060</u>	_____
55	<u>2500</u>	<u>2050</u>	_____
60 min	<u>2500</u>	<u>2050</u>	_____
Tubing press	<u>2500</u> psig	<u>2050</u> psig	_____ psig

Result (circle) Pass Fail Pass Fail Pass Fail

Signature of EPA Witness: Not Present
See back of page for any additional comments & compliance followup.



STIMULATION TREATMENT REPORT

Date 25-JUL-00 District Vernal F.Receipt 212310029 Customer Coastal Oil & Gas Corp
 Lease Southman Canyon #3 S.V Well Name Southman Canyon #3 S.V Field SOUTHMAN CANYON Location SEC.15 T.10S R.23E
 County Uintah State Utah Stage No 1 Well API _____

WELL DATA		Well Type: <u>OLD</u>	Well Class: <u>DISPOSAL</u>		Depth TD/PB: <u>0</u>	Formation: _____							
Geometry Type	Tubular Type	OD	Weight	ID	Grade	Top	Bottom	Perf Intervals					
TUBULAR	CSG	5.5	17	4.892	J-55	0	3000	Top	Bottom	SPF	Diameter		
								0	0	0	0		

Packer Type <u>0</u> Packer Depth <u>0</u> FT				LIQUID PUMPED AND CAPACITIES IN BBLs:			
TREATMENT DATA		Fluid Type	Fluid Desc	Pumped Volume(Gals)	Prop. Description	Volume Pumped(Lbs)	Tubing Cap. _____
		TREATMENT FLUID	H2O	42	NO PROPPANT	0	Casing Cap. _____
					Total Prop Qty: _____	0	Annular Cap. _____
Previous Treatment <u>N/A</u>		Previous Production <u>N/A</u>					Open Hole Cap. _____
Hole Loaded With <u>H2O</u>		Treat Via: Tubing <input type="checkbox"/> Casing <input type="checkbox"/> Anul. <input checked="" type="checkbox"/> Tubing & Anul. <input type="checkbox"/>					Fluid to Load _____
Ball Sealers: <u>0</u> In <u>0</u> Stages Type _____							Pad Volume _____
Auxiliary Materials _____							Treating Fluid _____
							Flush _____
							Overflush _____
							Fluid to Recover _____

PROCEDURE SUMMARY

Time AM/PM	Treating Pressure-Psi		Surface Slurry BBLs. Pumped		Slurry Rate BPM	Comments
	STP	Annulus	Stage	Total		
03:58	2900	0	0	0	0	PRESSURE TEST PUMP & LINES
03:59	0	0	0	0	5	START PRESSURE UP CASING
04:00	0	2160	0	1	0	SHUT DOWN
04:05	0	2140	0	0	0	5 MIN
04:10	0	2130	0	0	0	10 MIN
04:15	0	2110	0	0	0	15 MIN
04:20	0	2090	0	0	0	20 MIN
04:25	0	2090	0	0	0	25 MIN
04:30	0	2090	0	0	0	30 MIN
04:35	0	2080	0	0	0	35 MIN
04:40	0	2070	0	0	0	40 MIN
04:45	0	2060	0	0	0	45 MIN
04:50	0	2060	0	0	0	50 MIN
04:55	0	2050	0	0	0	55 MIN
05:00	0	2050	0	0	0	60 MIN
05:01	0	0	0	0	0	BLEED OFF PRESSURE
05:02	0	0	0	0	0	CASING TEST DONE
05:03	0	0	0	0	0	THANKS! REX & CREW

Treating Pressure		Injection Rates		Shut In Pressures		Customer Rep. Vernon L.	
Minimum	2050	Treating Fluid	.5	ISDP	0	BJ Rep.	Rex Edwards
Maximum	2160	Flush	0	5 Min.	2140	Job Number	212310029
Average	2050	Average	.5	10 Min.	2130	Rec. ID No.	
Operators Max. Pressure				15 Min.	2110	Distribution	
2500				Final	2150 In 60 Min.		
				Flush Dens. lb./gal.	8.34		



STIMULATION TREATMENT REPORT

Date 25-JUL-00 District Vernal F.Receipt 212310029 Customer Coastal Oil & Gas Corp
 Lease Southman Canyon #3 S.V Well Name Southman Canyon #3 S Field SOUTHMAN CANYON Location SEC.15 T.10S R.23E
 County Uintah State Utah Stage No 1 Well API _____

WELL DATA		Well Type: <u>OLD</u>	Well Class: <u>DISPOSAL</u>		Depth TD/PB: <u>0</u>		Formation: _____	
Geometry Type	Tubular Type	OD	Weight	ID	Grade	Top	Bottom	Perf Intervals
TUBULAR	CSG	5.5	17	4.892	J-55	0	3000	Top Bottom SPF Diameter
								0 0 0 0

Packer Type 0 Packer Depth 0 FT

TREATMENT DATA				LIQUID PUMPED AND CAPACITIES IN BBLs	
Fluid Type	Fluid Desc	Pumped Volume(Gals)	Prop. Description	Volume Pumped(Lbs)	
TREATMENT FLUID	H2O	42	NO PROPPANT	0	Tubing Cap. <u>0</u>
			Total Prop Qty: _____	0	Casing Cap. <u>0</u>
					Annular Cap. <u>0</u>
					Open Hole Cap. <u>0</u>
					Fluid to Load <u>0</u>
					Pad Volume <u>0</u>
					Treating Fluid <u>80</u>
					Flush <u>0</u>
					Overflush <u>0</u>
					Fluid to Recover <u>1</u>

Previous Treatment N/A Previous Production N/A
 Hole Loaded With H2O Treat Via: Tubing Casing Anul. Tubing & Anul.
 Ball Sealers: 0 In 0 Stages Type _____
 Auxiliary Materials _____

PROCEDURE SUMMARY

Time AM/PM	Treating Pressure-Psi		Surface Slurry BBLs. Pumped		Slurry Rate BPM	Comments
	STP	Annulus	Stage	Total		
03:58	2900	0	0	0	0	PRESSURE TEST PUMP & LINES
03:59	0	0	0	0	5	START PRESSURE UP CASING
04:00	0	2160	0	1	0	SHUT DOWN
04:05	0	2140	0	0	0	5 MIN
04:10	0	2130	0	0	0	10 MIN
04:15	0	2110	0	0	0	15 MIN
04:20	0	2090	0	0	0	20 MIN
04:25	0	2090	0	0	0	25 MIN
04:30	0	2090	0	0	0	30 MIN
04:35	0	2080	0	0	0	35 MIN
04:40	0	2070	0	0	0	40 MIN
04:45	0	2060	0	0	0	45 MIN
04:50	0	2060	0	0	0	50 MIN
04:55	0	2050	0	0	0	55 MIN
05:00	0	2050	0	0	0	60 MIN
05:01	0	0	0	0	0	BLEED OFF PRESSURE
05:02	0	0	0	0	0	CASING TEST DONE
05:03	0	0	0	0	0	THANKS! REX & CREW

Treating Pressure		Injection Rates		Shut In Pressures		Customer Rep. <u>Vernon L.</u>	
Minimum	2050	Treating Fluid	.5	ISDP	0	BJ Rep.	Rex Edwards
Maximum	2160	Flush	0	5 Min.	2140	Job Number	212310029
Average	2050	Average	.5	10 Min.	2130	Rec. ID No.	
Operators Max. Pressure 2500				15 Min.	2110	Distribution	
				Final	2150	In	60
				Flush Dens. lb./gal.	8.34		

FIELD RECEIPT NO. 212310029

BJ Services Company



CUSTOMER (COMPANY NAME) Coastal Oil & Gas Corp				CREDIT APPROVAL NO. REQ		PURCHASE ORDER NO.		CUSTOMER NUMBER 20018463 - 00253963		INVOICE NUMBER	
MAIL INVOICE TO: P.O. Box 1148				STREET OR BOX NUMBER		CITY Vernal		STATE Utah		ZIP CODE 84078	
DATE WORK COMPLETED		MO.	DAY	YEAR	BJ SERVICES SUPERVISOR Rex Edwards		WELL TYPE : Old Well				
BJ SERVICES DISTRICT Vernal					JOB DEPTH (ft) 3.000		WELL CLASS : Disposal				
WELL NAME AND NUMBER Southman Canyon #3 S.W.D.					TD WELL DEPTH (ft) 0		GAS USED ON JOB : No Gas				
WELL LOCATION :		LEGAL DESCRIPTION SEC.15 T.10S R.23E			COUNTY/PARISH Uintah		STATE Utah		JOB TYPE CODE : Pump Stim - Misc		
PRODUCT CODE	DESCRIPTION				UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	PERCENT DISC.	NET AMOUNT	
F701	Acid Pump, 0 - 2500 psi				4hrs	1	990.000	990.00	35%	643.50	
J227	Data Acquisition, Acid, Standard				job	1	900.000	900.00	35%	585.00	
J390	Mileage, Heavy Vehicle				miles	60	3.800	228.00	35%	148.20	
J391	Mileage, Auto, Pick-Up or Treating Van				miles	60	2.300	138.00	35%	89.70	
SUB-TOTAL FOR Equipment								2,256.00	35%	1,466.40	
FIELD ESTIMATE								2,256.00	35%	1,466.40	
ARRIVE LOCATION :		MO.	DAY	YEAR	TIME	SERVICE ORDER: I AUTHORIZE WORK TO BEGIN PER SERVICE INSTRUCTIONS IN ACCORDANCE WITH THE TERMS AND CONDITIONS PRINTED ON THE LAST PAGE OF THIS FORM AND REPRESENT THAT I HAVE AUTHORITY TO ACCEPT AND SIGN THIS ORDER.			SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER.		
CUSTOMER REP. Vernon L.		07	25	2000	15:15						
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS					CUSTOMER AUTHORIZED AGENT			<input checked="" type="checkbox"/> CUSTOMER AUTHORIZED AGENT <input checked="" type="checkbox"/> BJ SERVICES APPROVED			

BJ Services
CONDITIONS OF CONTRACT
Effective 08/19/36

CUSTOMER AND BJ SERVICES AGREE THAT THE SERVICES DESCRIBED ON THE FACE OF THIS SERVICE ORDER AND FIELD RECEIPT ARE TO BE PERFORMED SUBJECT TO AND IN CONSIDERATION OF THE FOLLOWING TERMS AND CONDITIONS:

1. **CUSTOMER.** For the purpose of this contract, the term Customer shall include agents, subsidiaries, joint ventures and partners of customers.
2. **WELL CONDITION.** Customer warrants that the well described on the face of this service order and field receipt is in proper condition to receive the products, supplies, materials, and services described herein.
3. **INDEPENDENT CONTRACTOR.** BJ Services is and shall be an independent contractor with respect to the performance of this contract and neither BJ Services nor anyone employed by BJ Services shall be the agent, representative, employee or servant of Customer in the performance of this contract or any part hereof.
4. **PRICE.** Customer agrees to pay BJ Services for the products, supplies, materials, and services described herein in accordance with BJ Services' current price list. In the event that BJ Services has agreed to charge Customer other than as set forth in such price list, the charges agreed upon by Customer and BJ Services shall be those set forth on the face of this service order and field receipt and the agreement of Customer thereto shall be conclusively established by its execution of the receipt set forth on the face of this service order and field receipt.
5. **TERMS.** Cash in advance unless BJ Services has approved credit prior to the sale. Credit terms for approved accounts are total invoice amount due on or before the 30th day from the date of the invoice at the address set forth therein. Past due accounts shall pay interest on the balance due at the rate of 1 1/2% per month or the maximum allowable under applicable state law if such law limits interest to a lesser amount. In the event it is necessary to employ a third party to effect collection of said account, Customer agrees to pay all fees of such third party directly or indirectly incurred for such collection.
6. **TAXES.** Customer agrees to pay all taxes based on or measured by the charges set forth on the face of this service order and field receipt.
7. **AMENDMENTS AND MODIFICATIONS.** No field employee of BJ Services shall be empowered to alter the terms and conditions of this contract and BJ Services shall not be bound by any changes or modifications in this contract unless made in writing by a duly authorized executive officer of BJ Services. By requesting the goods and services set forth herein, Customer agrees to all the terms and conditions contained on both sides of this service order and field receipt, which constitute the entire agreement between the parties unless Customer and BJ Services have entered into a master service agreement or master work contract applicable to the services performed and products, supplies and materials furnished by BJ Services hereunder, in which event any term or provision of this service order and field receipt in conflict with the provisions thereof shall be deemed invalid to such extent. Subject only to the preceding sentence BJ Services hereby objects to any term of any purchase order, delivery ticket or receipt or other document that varies from or conflicts with the terms of this contract.
8. **SEVERABILITY.** It is understood and agreed by Customer and BJ Services that any term or provision of this contract prohibited by law shall be deemed invalid to the extent of such prohibition and shall be modified to the extent necessary to conform to such rule of law. Any term or provision of this contract not deemed invalid and modified pursuant to the preceding sentence shall remain in full force and effect without regard to such invalidity and modification.
9. **LIMITED WARRANTY.** BJ SERVICES WARRANTS ONLY TITLE TO PRODUCTS, SUPPLIES AND MATERIALS FURNISHED PURSUANT TO THIS CONTRACT AND THAT THE SAME WILL CONFORM TO THE DESCRIPTION SPECIFIED HEREIN AND ARE FREE FROM DEFECTS IN WORKMANSHIP AND MATERIALS. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. BJ SERVICES' LIABILITY AND CUSTOMERS EXCLUSIVE REMEDY IN ANY CAUSE OF ACTION (WHETHER IN CONTRACT, TORT, BREACH OR WARRANTY OR OTHERWISE) ARISING OUT OF THE SALE OR USE OF ANY PRODUCTS, SUPPLIES OR MATERIALS IS EXPRESSLY LIMITED TO THE REPLACEMENT OF SUCH PRODUCTS, SUPPLIES OR MATERIALS OR, AT BJ SERVICES' OPTION, TO THE ALLOWANCE TO THE CUSTOMER OF CREDIT FOR THE COST OF SUCH ITEMS. BJ SERVICES MAKES NO WARRANTIES FOR ANY EQUIPMENT, MATERIALS OR PRODUCTS MANUFACTURED BY THIRD PARTIES, BUT WILL PASS ON TO CUSTOMER ALL WARRANTIES OF THE MANUFACTURERS OF SUCH EQUIPMENT, MATERIALS OR PRODUCTS. BJ SERVICES IS UNABLE TO, AND DOES NOT, GUARANTEE THE ACCURACY OF ANY JOB RECOMMENDATION, RESEARCH ANALYSIS, DATA INTERPRETATION, OR OTHER INFORMATION FURNISHED TO CUSTOMER BY BJ SERVICES IN VIEW OF THE UNCERTAINTY OF WELL CONDITIONS AND THE RELIANCE BY BJ SERVICES AND CUSTOMER UPON INFORMATION AND SERVICES FURNISHED BY THIRD PARTIES. THEREFORE, NO WARRANTY EXPRESS OR IMPLIED IS GIVEN CONCERNING THE EFFECTIVENESS OF THE PRODUCTS, SUPPLIES OR MATERIALS USED, RECOMMENDATIONS GIVEN, OR SERVICES PERFORMED BY BJ SERVICES. CUSTOMER AGREES THAT BJ SERVICES SHALL NOT BE RESPONSIBLE FOR ANY DAMAGES ARISING FROM THE USE OF DATA FURNISHED BY BJ SERVICES. CUSTOMER ACCEPTS FULL RESPONSIBILITY FOR RETURNING THE WELL DESCRIBED ON THE FACE OF THIS SERVICE ORDER AND FIELD RECEIPT TO PRODUCTION. BJ SERVICES DOES NOT GUARANTEE THE EFFECTIVENESS OF THE PRODUCTS, SUPPLIES OR MATERIALS FURNISHED PURSUANT TO THIS CONTRACT NOR THE RESULTS OF ANY TREATMENT OR SERVICE IT PERFORMS HEREUNDER.
10. **FORCE MAJEURE.** Any delays or failure by BJ Services in the performance of this contract shall be excused if and to the extent caused by war, fire, flood, strike or other labor trouble, accident, riot, acts of God, or any other cause beyond the reasonable control of BJ Services.
11. **CHEMICAL DISPOSAL.** Customer agrees that all chemicals used in performance of this contract which are not removed from the location of the well by BJ Services shall be disposed of by Customer in accordance with all applicable federal, state and local laws and regulations.

12. **LIABILITY AND INDEMNITY OBLIGATIONS.** (A) BJ SERVICES SHALL PROTECT, DEFEND, INDEMNIFY, HOLD HARMLESS AND RELEASE CUSTOMER, ITS PARENT, SUBSIDIARY AND AFFILIATED COMPANIES AND ITS AND THEIR OFFICERS, DIRECTORS AND EMPLOYEES ("CUSTOMER GROUP") FROM AND AGAINST ALL CLAIMS, DEMANDS, LOSSES, LIABILITIES, PENALTIES, COSTS, EXPENSES (INCLUDING REASONABLE ATTORNEYS' FEES) AND CAUSES OF ACTION OF EVERY KIND AND CHARACTER (COLLECTIVELY, "CLAIMS") ARISING IN FAVOR OF (I) BJ SERVICES' EMPLOYEES OR THE EMPLOYEES OF BJ SERVICES' SUBCONTRACTORS ON ACCOUNT OF BODILY INJURY, DEATH OR DAMAGE TO PROPERTY OR (II) BJ SERVICES ON ACCOUNT OF DAMAGE TO BJ SERVICES' PROPERTY, EXCEPT AS OTHERWISE PROVIDED BELOW, INCLUDING, IN EACH CASE, CLAIMS CAUSED BY THE SOLE, JOINT AND/OR COMPARATIVE NEGLIGENCE, STRICT LIABILITY OR OTHER FAULT OF CUSTOMER GROUP.

(B) CUSTOMER SHALL PROTECT, DEFEND, INDEMNIFY, AND HOLD HARMLESS AND RELEASE BJ SERVICES, ITS PARENT, SUBSIDIARY AND AFFILIATED COMPANIES AND ITS AND THEIR OFFICERS, DIRECTORS AND EMPLOYEES ("BJ SERVICES GROUP") FROM AND AGAINST ALL CLAIMS ARISING IN FAVOR OF (I) CUSTOMER'S EMPLOYEES OR THE EMPLOYEES OF CUSTOMER'S OTHER CONTRACTORS OR THEIR SUBCONTRACTORS ON ACCOUNT OF BODILY INJURY, DEATH OR DAMAGE TO PROPERTY, OR (II) CUSTOMER ON ACCOUNT OF LOSS OR DAMAGE TO CUSTOMER'S PROPERTY, EXCEPT AS OTHERWISE PROVIDED BELOW, INCLUDING, IN EACH CASE, CLAIMS CAUSED BY THE SOLE, JOINT AND/OR COMPARATIVE NEGLIGENCE, STRICT LIABILITY OR OTHER FAULT OF BJ SERVICES GROUP.

(C) CUSTOMER SHALL PROTECT, DEFEND, INDEMNIFY, HOLD HARMLESS AND RELEASE BJ SERVICES GROUP FROM AND AGAINST ANY CLAIMS FOR POLLUTION OR CONTAMINATION, INCLUDING THE CLEANUP OR REMOVAL THEREOF ARISING OUT OF OR CONNECTED WITH THE PERFORMANCE BY BJ SERVICES OF SERVICES FOR THE CUSTOMER (AND NOT ASSUMED BY BJ SERVICES IN THE FOLLOWING SENTENCE) INCLUDING BUT NOT LIMITED TO CLAIMS THAT MAY RESULT FROM WELL FIRE, BLOWOUT, CRATERING, SEEPAGE OR ANY OTHER UNCONTROLLABLE FLOW OF OIL, GAS, WATER OR OTHER SUBSTANCES, INCLUDING CLAIMS CAUSED BY THE SOLE, JOINT AND/OR COMPARATIVE NEGLIGENCE, STRICT LIABILITY OR OTHER FAULT OF BJ SERVICES GROUP. BJ SERVICES SHALL PROTECT, DEFEND, INDEMNIFY, HOLD HARMLESS CUSTOMER GROUP FROM AND AGAINST ANY CLAIMS FOR POLLUTION OR CONTAMINATION, INCLUDING THE REMOVAL THEREOF, ORIGINATING ABOVE THE SURFACE OF THE EARTH FROM SPILLS, LEAKS OR DISCHARGES OF FUELS, LUBRICANTS, MOTOR OILS, PIPE DOPE, PAINT, SOLVENTS, SLUDGE OR GARBAGE IN THE POSSESSION AND CONTROL OF BJ SERVICES AND ASSOCIATED WITH CONTRACTORS' EQUIPMENT AND FACILITIES, EXCEPTING ANY POLLUTION IN RESERVE PITS FROM FLOWBACK INCIDENT TO BJ SERVICES' OPERATIONS.

(D) CUSTOMER SHALL PROTECT, DEFEND, INDEMNIFY, HOLD HARMLESS AND RELEASE BJ SERVICES GROUP FROM AND AGAINST ANY AND ALL CLAIMS ARISING IN FAVOR OF CUSTOMER OR ANY THIRD PARTY INCLUDING, BUT NOT LIMITED TO, ANY GOVERNMENTAL ENTITY OR PARTY FOR WHOM CUSTOMER IS ACTING (INCLUDING CUSTOMER'S CO-WORKING INTEREST OWNERS) FOR ALL DAMAGES OR LOSSES RESULTING FROM PRODUCTS, SERVICES OR EQUIPMENT PROVIDED BY BJ SERVICES ON ACCOUNT OF (I) LOSS OF THE HOLE, (II) DAMAGE OR INJURY TO ANY DOWNHOLE PROPERTY OR ANY PROPERTY RIGHT IN OR TO OIL, GAS OR OTHER SUBSTANCES OR WATER (III) LOSS OR DAMAGE TO, OR CONTAMINATION OF, ANY FORMATIONS, STRATA OR RESERVOIRS BENEATH THE EARTH'S SURFACE, (IV) SUBSURFACE TRESPASS OR (V) ANY OTHER SIMILAR LOSSES OR DAMAGES, AND WITHOUT REGARD TO THE NEGLIGENCE OF ANY PARTY OR PARTIES, INCLUDING, IN EACH CASE, CLAIMS CAUSED BY THE SOLE JOINT AND/OR COMPARATIVE NEGLIGENCE, STRICT LIABILITY OR OTHER FAULT OF BJ SERVICES GROUP.

(E) CUSTOMER WILL ASSUME LIABILITY FOR BJ SERVICES' EQUIPMENT WHICH MAY BE LOST OR DAMAGED IN THE HOLE, REGARDLESS OF ANY NEGLIGENCE OF ANY PARTY, AND WILL AT ITS OWN EXPENSE AND RISK ATTEMPT TO RECOVER SUCH EQUIPMENT. THE VALUE OF ANY UNRECOVERABLE, LOST OR DAMAGED EQUIPMENT SHALL BE REIMBURSED BY CUSTOMER AT THE FAIR MARKET VALUE ON THE DATE OF LOSS OF SUCH EQUIPMENT, BUT IN NO EVENT AT A VALUE LESS THAN 60% OF THE THEN CURRENT REPLACEMENT COST.

(F) BJ SERVICES AND CUSTOMER AGREE TO SUPPORT THEIR INDEMNITY OBLIGATIONS HEREIN BY FURNISHING LIABILITY INSURANCE COVERAGE OR QUALIFIED SELF INSURANCE IN AN AMOUNT OF NO LESS THAN \$2,000,000. HOWEVER BJ SERVICES AND CUSTOMER AGREE AND INTEND THAT, TO THE FULLEST EXTENT ALLOWED FROM TIME TO TIME BY APPLICABLE LAW, THEIR RESPECTIVE INDEMNITIES UNDER THESE TERMS AND CONDITIONS ARE TO APPLY WITHOUT LIMIT, AND ARE NOT TO BE LIMITED TO THE AMOUNT OF INSURANCE EITHER OF THEM MAY FROM TIME TO TIME MAINTAIN OR AGREE TO MAINTAIN. IF IT SHOULD BE DETERMINED THAT THE INDEMNITY OBLIGATIONS ASSUMED HEREUNDER THAT ARE TO BE SUPPORTED EITHER BY INSURANCE OR SELF INSURANCE EXCEEDS THAT WHICH IS PERMITTED UNDER APPLICABLE LAW, THEN SUCH INDEMNITIES SHALL AUTOMATICALLY BE AMENDED TO CONFORM TO THE MONETARY LIMITS PERMITTED UNDER SUCH LAW.

13. **CONFIDENTIAL INFORMATION.** Customer and BJ Services will use their best efforts to maintain the confidentiality of all records and proprietary information obtained by either party in the performance of any services by BJ Services. Such information will not be disclosed by either party to its employees unless it is necessary in order to perform or evaluate such services, or to any third parties without the prior consent of the other party.

14. **WAIVER.** (A) Neither BJ Services nor Customer will be liable to the other for special, incidental, indirect or consequential damages resulting from or arising out of the products or equipment provided or the services performed by BJ Services hereunder, including but not limited to, loss of profit or revenue or business interruption losses, whether or not arising under an alleged breach of warranty or caused by the sole, joint and/or comparative negligence, strict liability or other fault of either party.

(B) Customer represents that it is a business consumer purchasing products and services from BJ Services for commercial use, that it has experience in business matters that enable it to evaluate the merits and risks of the purchase of such products and services, and that it is not in a significantly disparate bargaining position. Customer waives the provisions of the Texas Deceptive Trade Practices Act (other than section 17), as from time to time amended.

15. **GOVERNING LAW.** This contract shall be governed by the law of the State of Texas.



CUSTOMER (COMPANY NAME) Coastal Oil & Gas Corp				CREDIT APPROVAL NO. REQ		PURCHASE ORDER NO.		CUSTOMER NUMBER 20018463 - 00253963		INVOICE NUMBER	
MAIL INVOICE TO : STREET OR BOX NUMBER P.O. Box 1148				CITY Vernal		STATE Utah		ZIP CODE 84078			
DATE WORK COMPLETED MO. 07 DAY 25 YEAR 2000				BJ SERVICES SUPERVISOR Rex Edwards		WELL TYPE : Old Well		WELL CLASS : Disposal			
BJ SERVICES DISTRICT Vernal				JOB DEPTH (ft) 3.000		GAS USED ON JOB : No Gas		JOB TYPE CODE : Pump Stim - Misc			
WELL NAME AND NUMBER Southman Canyon #3 S.W.D. 7237				TD WELL DEPTH (ft) 0							
WELL LOCATION :		LEGAL DESCRIPTION SEC.15 T.10S R.23E		COUNTY/PARISH Uintah		STATE Utah					
PRODUCT CODE	DESCRIPTION			UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	PERCENT DISC.	NET AMOUNT		
F701	Acid Pump, 0 - 2500 psi			4hrs	1	990.000	990.00	35%	643.50		
J227	Data Acquisition, Acid, Standard			job	1	900.000	900.00	35%	585.00		
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J391	Mileage, Auto, Pick-Up or Treating Van			miles	60	2.300	138.00	35%	89.70		
SUB-TOTAL FOR Equipment							2,256.00	35%	1,466.40		
FIELD ESTIMATE							2,256.00	35%	1,466.40		
ARRIVE LOCATION :		MO. 07	DAY 25	YEAR 2000	TIME 15:15	SERVICE ORDER: I AUTHORIZE WORK TO BEGIN PER SERVICE INSTRUCTIONS IN ACCORDANCE WITH THE TERMS AND CONDITIONS PRINTED ON THE LAST PAGE OF THIS FORM AND REPRESENT THAT I HAVE AUTHORITY TO ACCEPT AND SIGN THIS ORDER.			SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER.		
CUSTOMER REP. Vernon L.		SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS				CUSTOMER AUTHORIZED AGENT			<input checked="" type="checkbox"/> CUSTOMER AUTHORIZED AGENT 		
									<input checked="" type="checkbox"/> BJ SERVICES APPROVED		

BJ Services
CONDITIONS OF CONTRACT

Effective 08/19/96

CUSTOMER AND BJ SERVICES AGREE THAT THE SERVICES DESCRIBED ON THE FACE OF THIS SERVICE ORDER AND FIELD RECEIPT ARE TO BE PERFORMED SUBJECT TO AND IN CONSIDERATION OF THE FOLLOWING TERMS AND CONDITIONS:

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3. **INDEPENDENT CONTRACTOR.** BJ Services is and shall be an independent contractor with respect to the performance of this contract and neither BJ Services nor anyone employed by BJ Services shall be the agent, representative, employee or servant of Customer in the performance of this contract or any part hereof.
4. **PRICE.** Customer agrees to pay BJ Services for the products, supplies, materials, and services described herein in accordance with BJ Services' current price list. In the event that BJ Services has agreed to charge Customer other than as set forth in such price list, the charges agreed upon by Customer and BJ Services shall be those set forth on the face of this service order and field receipt and the agreement of Customer thereto shall be conclusively established by its execution of the receipt set forth on the face of this service order and field receipt.
5. **TERMS.** Cash in advance unless BJ Services has approved credit prior to the sale. Credit terms for approved accounts are (a) invoice amount due on or before the 30th day from the date of the invoice at the address set forth therein. Past due accounts shall pay interest on the balance due at the rate of 1 1/2% per month or the maximum allowable under applicable state law if such law limits interest to a lesser amount. In the event it is necessary to employ a third party to effect collection of said account, Customer agrees to pay all fees of such third party directly or indirectly incurred for such collection.
6. **TAXES.** Customer agrees to pay all taxes based on or measured by the charges set forth on the face of this service order and field receipt.
7. **AMENDMENTS AND MODIFICATIONS.** No field employee of BJ Services shall be empowered to alter the terms and conditions of this contract and BJ Services shall not be bound by any changes or modifications in this contract unless made in writing by a duly authorized executive officer of BJ Services. By requesting the goods and services set forth herein, Customer agrees to all the terms and conditions contained on both sides of this service order and field receipt, which constitutes the entire agreement between the parties unless Customer and BJ Services have entered into a master service agreement or master work contract applicable to the services performed and products, supplies and materials furnished by BJ Services hereunder, in which event any term or provision of this service order and field receipt in conflict with the provisions thereof shall be deemed invalid to such extent. Subject only to the preceding sentence BJ Services hereby objects to any term of any purchase order, delivery ticket or receipt or other document that varies from or conflicts with the terms of this contract.
8. **SEVERABILITY.** It is understood and agreed by Customer and BJ Services that any term or provision of this contract prohibited by law shall be deemed invalid to the extent of such prohibition and shall be modified to the extent necessary to conform to such rule of law. Any term or provision of this contract not deemed invalid and modified pursuant to the preceding sentence shall remain in full force and effect without regard to such invalidity and modification.
9. **LIMITED WARRANTY.** BJ SERVICES WARRANTS ONLY TITLE TO PRODUCTS, SUPPLIES AND MATERIALS FURNISHED PURSUANT TO THIS CONTRACT AND THAT THE SAME WILL CONFORM TO THE DESCRIPTION SPECIFIED HEREIN AND ARE FREE FROM DEFECTS IN WORKMANSHIP AND MATERIALS. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. BJ SERVICES' LIABILITY AND CUSTOMERS EXCLUSIVE REMEDY IN ANY CAUSE OF ACTION (WHETHER IN CONTRACT, TORT, BREACH OR WARRANTY OR OTHERWISE) ARISING OUT OF THE SALE OR USE OF ANY PRODUCTS, SUPPLIES OR MATERIALS IS EXPRESSLY LIMITED TO THE REPLACEMENT OF SUCH PRODUCTS, SUPPLIES OR MATERIALS OR, AT BJ SERVICES' OPTION, TO THE ALLOWANCE TO THE CUSTOMER OF CREDIT FOR THE COST OF SUCH ITEMS. BJ SERVICES MAKES NO WARRANTIES FOR ANY EQUIPMENT, MATERIALS OR PRODUCTS MANUFACTURED BY THIRD PARTIES, BUT WILL PASS ON TO CUSTOMER ALL WARRANTIES OF THE MANUFACTURERS OF SUCH EQUIPMENT, MATERIALS OR PRODUCTS. BJ SERVICES IS UNABLE TO, AND DOES NOT, GUARANTEE THE ACCURACY OF ANY JOB RECOMMENDATION, RESEARCH ANALYSIS, DATA INTERPRETATION, OR OTHER INFORMATION FURNISHED TO CUSTOMER BY BJ SERVICES IN VIEW OF THE UNCERTAINTY OF WELL CONDITIONS AND THE RELIANCE BY BJ SERVICES AND CUSTOMER UPON INFORMATION AND SERVICES FURNISHED BY THIRD PARTIES. THEREFORE, NO WARRANTY EXPRESS OR IMPLIED IS GIVEN CONCERNING THE EFFECTIVENESS OF THE PRODUCTS, SUPPLIES OR MATERIALS USED, RECOMMENDATIONS GIVEN, OR SERVICES PERFORMED BY BJ SERVICES. CUSTOMER AGREES THAT BJ SERVICES SHALL NOT BE RESPONSIBLE FOR ANY DAMAGES ARISING FROM THE USE OF DATA FURNISHED BY BJ SERVICES. CUSTOMER ACCEPTS FULL RESPONSIBILITY FOR RETURNING THE WELL DESCRIBED ON THE FACE OF THIS SERVICE ORDER AND FIELD RECEIPT TO PRODUCTION. BJ SERVICES DOES NOT GUARANTEE THE EFFECTIVENESS OF THE PRODUCTS, SUPPLIES OR MATERIALS FURNISHED PURSUANT TO THIS CONTRACT NOR THE RESULTS OF ANY TREATMENT OR SERVICE IT PERFORMS HEREUNDER.
10. **FORCE MAJEURE.** Any delays or failure by BJ Services in the performance of this contract shall be excused if and to the extent caused by war, fire, flood, strike or other labor trouble, accident, riot, acts of God, or any other cause beyond the reasonable control of BJ Services.
11. **CHEMICAL DISPOSAL.** Customer agrees that all chemicals used in performance of this contract which are not removed from the location of the well by BJ Services shall be disposed of by Customer in accordance with all applicable federal, state and local laws and regulations.

12. **LIABILITY AND INDEMNITY OBLIGATIONS.** (A) BJ SERVICES SHALL PROTECT, DEFEND, INDEMNIFY, HOLD HARMLESS AND RELEASE CUSTOMER, ITS PARENT, SUBSIDIARY AND AFFILIATED COMPANIES AND ITS AND THEIR OFFICERS, DIRECTORS AND EMPLOYEES ("CUSTOMER GROUP") FROM AND AGAINST ALL CLAIMS, DEMANDS, LOSSES, LIABILITIES, PENALTIES, COSTS, EXPENSES (INCLUDING REASONABLE ATTORNEYS' FEES) AND CAUSES OF ACTION OF EVERY KIND AND CHARACTER (COLLECTIVELY, "CLAIMS") ARISING IN FAVOR OF (I) BJ SERVICES' EMPLOYEES OR THE EMPLOYEES OF BJ SERVICES' SUBCONTRACTORS ON ACCOUNT OF BODILY INJURY, DEATH OR DAMAGE TO PROPERTY OR (II) BJ SERVICES ON ACCOUNT OF DAMAGE TO BJ SERVICES' PROPERTY, EXCEPT AS OTHERWISE PROVIDED BELOW, INCLUDING, IN EACH CASE, CLAIMS CAUSED BY THE SOLE, JOINT AND/OR COMPARATIVE NEGLIGENCE, STRICT LIABILITY OR OTHER FAULT OF CUSTOMER GROUP.

(B) CUSTOMER SHALL PROTECT, DEFEND, INDEMNIFY, AND HOLD HARMLESS AND RELEASE BJ SERVICES, ITS PARENT, SUBSIDIARY AND AFFILIATED COMPANIES AND ITS AND THEIR OFFICERS, DIRECTORS AND EMPLOYEES ("BJ SERVICES GROUP") FROM AND AGAINST ALL CLAIMS ARISING IN FAVOR OF (I) CUSTOMER'S EMPLOYEES OR THE EMPLOYEES OF CUSTOMER'S OTHER CONTRACTORS OR THEIR SUBCONTRACTORS ON ACCOUNT OF BODILY INJURY, DEATH OR DAMAGE TO PROPERTY, OR (II) CUSTOMER ON ACCOUNT OF LOSS OR DAMAGE TO CUSTOMER'S PROPERTY, EXCEPT AS OTHERWISE PROVIDED BELOW, INCLUDING, IN EACH CASE, CLAIMS CAUSED BY THE SOLE, JOINT AND/OR COMPARATIVE NEGLIGENCE, STRICT LIABILITY OR OTHER FAULT OF BJ SERVICES GROUP.

(C) CUSTOMER SHALL PROTECT, DEFEND, INDEMNIFY, HOLD HARMLESS AND RELEASE BJ SERVICES GROUP FROM AND AGAINST ANY CLAIMS FOR POLLUTION OR CONTAMINATION, INCLUDING THE CLEANUP OR REMOVAL THEREOF ARISING OUT OF OR CONNECTED WITH THE PERFORMANCE BY BJ SERVICES OF SERVICES FOR THE CUSTOMER (AND NOT ASSUMED BY BJ SERVICES IN THE FOLLOWING SENTENCE) INCLUDING BUT NOT LIMITED TO CLAIMS THAT MAY RESULT FROM WELL FIRE, BLOWOUT, CRATERING, SEEPAGE OR ANY OTHER UNCONTROLLABLE FLOW OF OIL, GAS, WATER OR OTHER SUBSTANCES, INCLUDING CLAIMS CAUSED BY THE SOLE, JOINT AND/OR COMPARATIVE NEGLIGENCE, STRICT LIABILITY OR OTHER FAULT OF BJ SERVICES GROUP. BJ SERVICES SHALL PROTECT, DEFEND, INDEMNIFY, HOLD HARMLESS CUSTOMER GROUP FROM AND AGAINST ANY CLAIMS FOR POLLUTION OR CONTAMINATION, INCLUDING THE REMOVAL THEREOF, ORIGINATING ABOVE THE SURFACE OF THE EARTH FROM SPILLS, LEAKS OR DISCHARGES OF FUELS, LUBRICANTS, MOTOR OILS, PIPE DOPE, PAINT, SOLVENTS, SLUDGE OR GARBAGE IN THE POSSESSION AND CONTROL OF BJ SERVICES AND ASSOCIATED WITH CONTRACTORS' EQUIPMENT AND FACILITIES, EXCEPTING ANY POLLUTION IN RESERVE PITS FROM FLOWBACK INCIDENT TO B.J. SERVICES' OPERATIONS.

(D) CUSTOMER SHALL PROTECT, DEFEND, INDEMNIFY, HOLD HARMLESS AND RELEASE BJ SERVICES GROUP FROM AND AGAINST ANY AND ALL CLAIMS ARISING IN FAVOR OF CUSTOMER OR ANY THIRD PARTY INCLUDING, BUT NOT LIMITED TO, ANY GOVERNMENTAL ENTITY OR PARTY FOR WHOM CUSTOMER IS ACTING (INCLUDING CUSTOMER'S CO-WORKING INTEREST OWNERS) FOR ALL DAMAGES OR LOSSES RESULTING FROM PRODUCTS, SERVICES OR EQUIPMENT PROVIDED BY BJ SERVICES ON ACCOUNT OF (I) LOSS OF THE HOLE, (II) DAMAGE OR INJURY TO ANY DOWNHOLE PROPERTY OR ANY PROPERTY RIGHT IN OR TO OIL, GAS OR OTHER SUBSTANCES OR WATER (III) LOSS OR DAMAGE TO, OR CONTAMINATION OF, ANY FORMATIONS, STRATA OR RESERVOIRS BENEATH THE EARTH'S SURFACE, (IV) SUBSURFACE TRESPASS OR (V) ANY OTHER SIMILAR LOSSES OR DAMAGES, AND WITHOUT REGARD TO THE NEGLIGENCE OF ANY PARTY OR PARTIES, INCLUDING, IN EACH CASE, CLAIMS CAUSED BY THE SOLE JOINT AND/OR COMPARATIVE NEGLIGENCE, STRICT LIABILITY OR OTHER FAULT OF BJ SERVICES GROUP.

(E) CUSTOMER WILL ASSUME LIABILITY FOR BJ SERVICES' EQUIPMENT WHICH MAY BE LOST OR DAMAGED IN THE HOLE, REGARDLESS OF ANY NEGLIGENCE OF ANY PARTY, AND WILL AT ITS OWN EXPENSE AND RISK ATTEMPT TO RECOVER SUCH EQUIPMENT. THE VALUE OF ANY UNRECOVERABLE, LOST OR DAMAGED EQUIPMENT SHALL BE REIMBURSED BY CUSTOMER AT THE FAIR MARKET VALUE ON THE DATE OF LOSS OF SUCH EQUIPMENT, BUT IN NO EVENT AT A VALUE LESS THAN 80% OF THE THEN CURRENT REPLACEMENT COST.

(F) BJ SERVICES AND CUSTOMER AGREE TO SUPPORT THEIR INDEMNITY OBLIGATIONS HEREIN BY FURNISHING LIABILITY INSURANCE COVERAGE OR QUALIFIED SELF INSURANCE IN AN AMOUNT OF NO LESS THAN \$2,000,000. HOWEVER BJ SERVICES AND CUSTOMER AGREE AND INTEND THAT, TO THE FULLEST EXTENT ALLOWED FROM TIME TO TIME BY APPLICABLE LAW, THEIR RESPECTIVE INDEMNITIES UNDER THESE TERMS AND CONDITIONS ARE TO APPLY WITHOUT LIMIT, AND ARE NOT TO BE LIMITED TO THE AMOUNT OF INSURANCE EITHER OF THEM MAY FROM TIME TO TIME MAINTAIN OR AGREE TO MAINTAIN. IF IT SHOULD BE DETERMINED THAT THE INDEMNITY OBLIGATIONS ASSUMED HEREUNDER THAT ARE TO BE SUPPORTED EITHER BY INSURANCE OR SELF INSURANCE EXCEEDS THAT WHICH IS PERMITTED UNDER APPLICABLE LAW, THEN SUCH INDEMNITIES SHALL AUTOMATICALLY BE AMENDED TO CONFORM TO THE MONETARY LIMITS PERMITTED UNDER SUCH LAW.

13. **CONFIDENTIAL INFORMATION.** Customer and BJ Services will use their best efforts to maintain the confidentiality of all records and proprietary information obtained by either party in the performance of any services by BJ Services. Such information will not be disclosed by either party to its employees unless it is necessary in order to perform or evaluate such services, or to any third parties without the prior consent of the other party.

14. **WAIVER.** (A) Neither BJ Services nor Customer will be liable to the other for special, incidental, indirect or consequential damages resulting from or arising out of the products or equipment provided or the services performed by BJ Services hereunder, including but not limited to, loss of profit or revenue or business interruption losses, whether or not arising under an alleged breach of warranty or caused by the sole, joint and/or comparative negligence, strict liability or other fault of either party.

(B) Customer represents that it is a business consumer purchasing products and services from BJ Services for commercial use, that it has experience in business matters that enable it to evaluate the merits and risks of the purchase of such products and services, and that it is not in a significantly disparate bargaining position. Customer waives the provisions of the Texas Deceptive Trade Practices Act (other than section 17), as from time to time amended.

15. **GOVERNING LAW.** This contract shall be governed by the law of the State of Texas.

BJ SERVICES COMPANY
WESTVIEW PORTABLE WELL DATA MONITOR

CO NAME: COASTAL

CO REP: VERNON

WELL NAME: S.C #3 SWD

JOB DES: CASING TEST

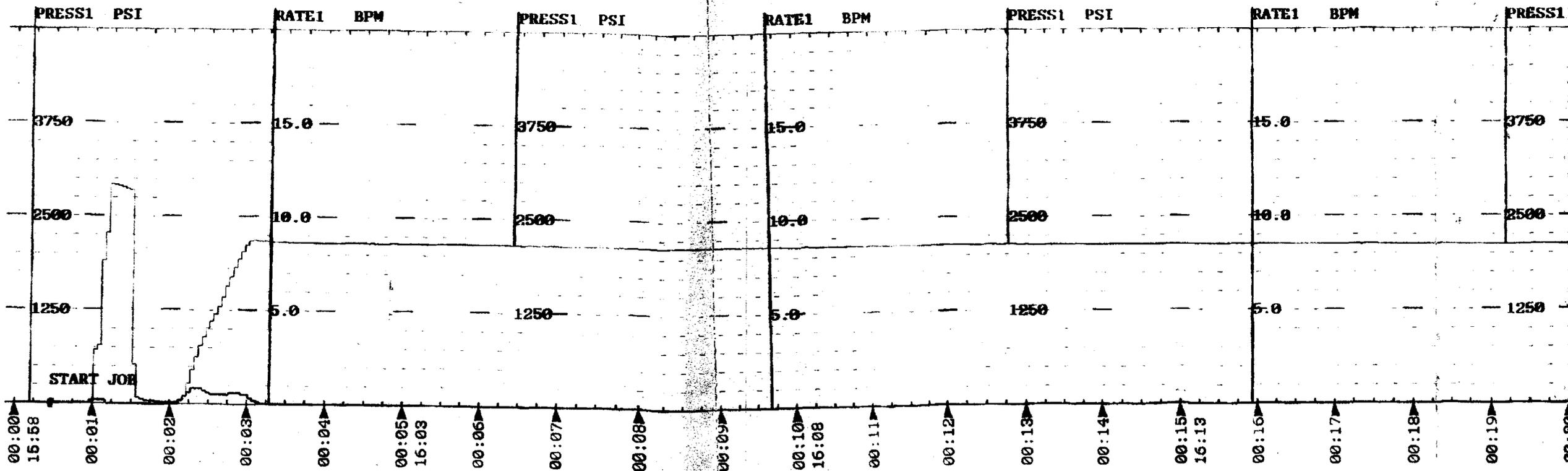
RECEIPT: 212310028

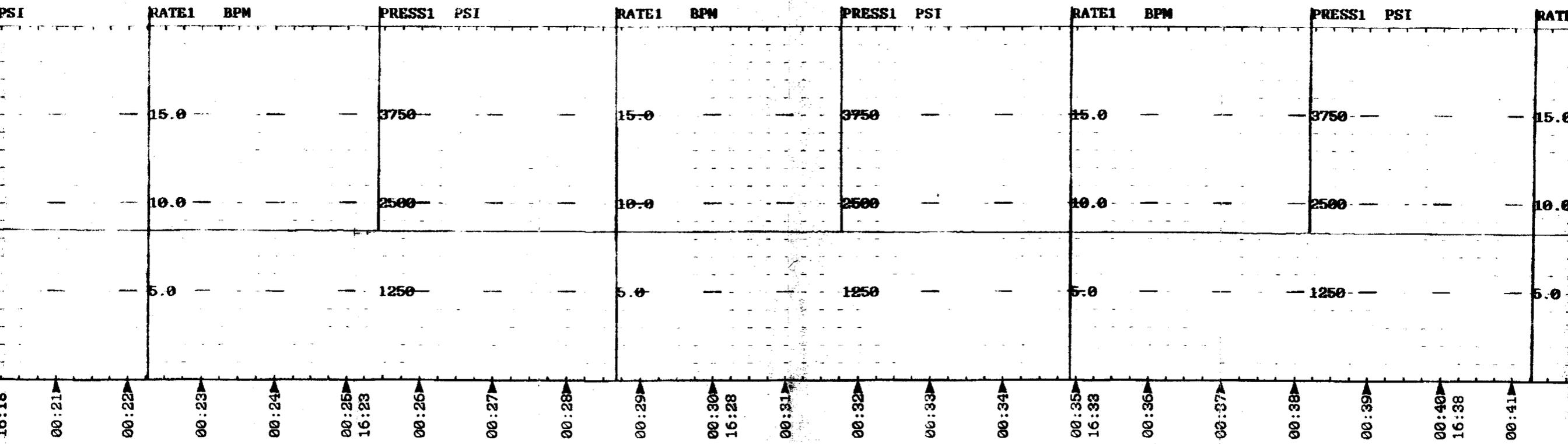
WPS REP: EDWARDS

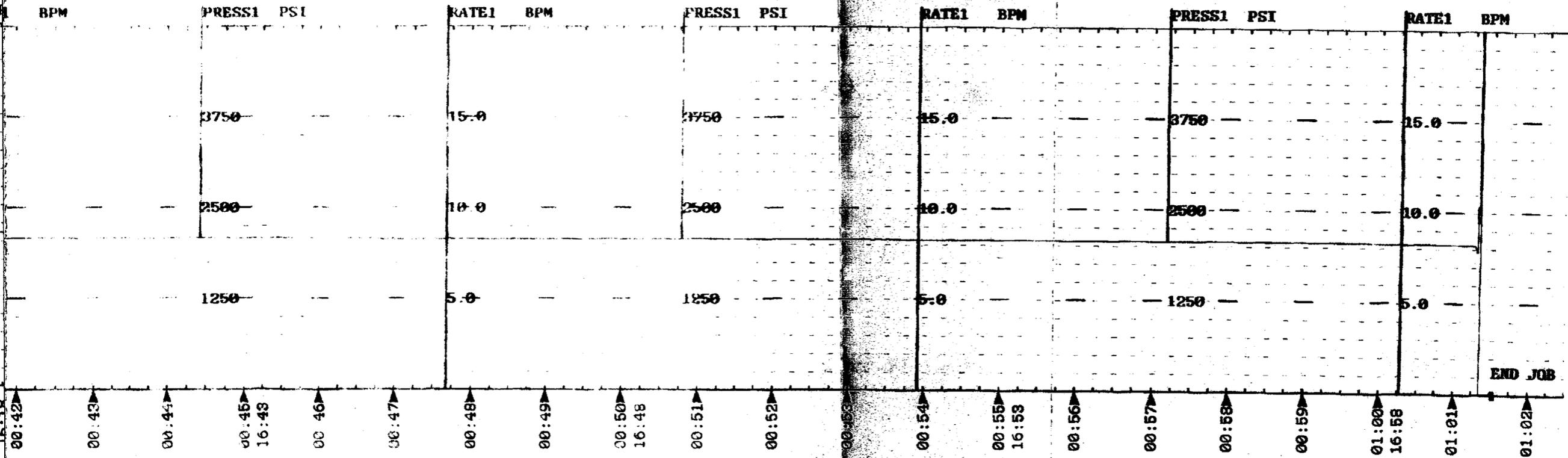
DATE: 07/25/00 TIME: 15:58:29

COMMENTS:

Ch#	Title	Range	Units	Line Type
1	PRESS1	0-5000	PSI	Thin
2	RATE1	0.0-20.0	BPM	Med







END JOB

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER:
2. NAME OF OPERATOR: El Paso Production Oil & Gas Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 368 South 1200 East CITY Vernal STATE Utah ZIP 84078		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: _____ COUNTY: _____ QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____ STATE: UTAH		8. WELL NAME and NUMBER: Exhibit "A"
PHONE NUMBER: 435-789-4433		9. API NUMBER:
		10. FIELD AND POOL, OR WILDCAT:

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

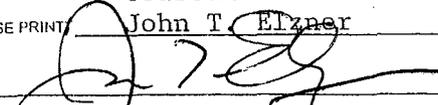
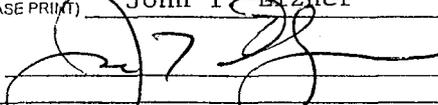
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Name Change</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

As a result of the merger between The Coastal Corporation and a wholly owned subsidiary of El Paso Energy Corporation, the name of Coastal Oil & Gas Corporation has been changed to El Paso Production Oil & Gas Company effective March 9, 2001.

See Exhibit "A"

Bond # 400JU0708

Coastal Oil & Gas Corporation	
NAME (PLEASE PRINT) <u>John T. Elzner</u>	TITLE <u>Vice President</u>
SIGNATURE 	DATE <u>06-15-01</u>
El Paso Production Oil & Gas Company	
NAME (PLEASE PRINT) <u>John T. Elzner</u>	TITLE <u>Vice President</u>
SIGNATURE 	DATE <u>06-15-01</u>

(This space for State use only)

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DIVISION OF
OIL, GAS AND MINING

EXHIBIT "A"

NAME CHANGE FROM COASTAL OIL & GAS CORPORATION TO EL PASO PRODUCTION OIL & GAS COMPANY

API Well No.	Well Name	Well Status	Well Type	Location(T-R)	Section
43-013-30361-00-00	ALLRED 2-16A3	Active Well	Water Disposal	1S-3W	16
43-013-30370-00-00	UTE TRIBAL 1-25A3	Producing Well	Oil Well	1S-3W	25
43-013-30362-00-00	BIRCH 2-35A5	Active Well	Water Disposal	1S-5W	35
43-013-30337-00-00	G HANSON 2-4B3 SWD	Active Well	Water Disposal	2S-3W	4
43-013-30038-00-00	LAKE FORK 2-23B4	Active Well	Water Disposal	2S-4W	23
43-013-30371-00-00	LINDSAY RUSSELL 2-32B4	Active Well	Water Disposal	2S-4W	32
43-013-30121-00-00	TEW 1-9B5	Active Well	Water Disposal	2S-5W	9
43-013-30391-00-00	EHRICH 2-11B5	Active Well	Water Disposal	2S-5W	11
43-013-30340-00-00	LDS CHURCH 2-27B5	Active Well	Water Disposal	2S-5W	27
43-013-30289-00-00	RHOADES MOON 1-36B5	Shut_In	Oil Well	2S-5W	36
43-013-30056-00-00	UTE 1-14C6	Active Well	Water Disposal	3S-6W	14
43-047-33597-00-00	NBU SWD 2-16	Spudded (Drilling commenced: Not yet completed)	Water Disposal	10S-21E	16
43-047-32344-00-00	NBU 205	Shut_In	Gas Well	10S-22E	9
43-047-15880-00-00	SOUTHMAN CANYON U 3	Active Well	Water Disposal	10S-23E	15
43-047-31822-00-00	UTE 26-1		Water Disposal	4S-1E	26
43-047-32784-00-00	STIRRUP STATE 32-6	Active Well	Water Injection	6S-21E	32
43-047-30359-00-00	NBU 21-20B	Active Well	Water Disposal	9S-20E	20
43-047-33449-00-00	OURAY SWD 1	Approved permit (APD); not yet spudded	Water Disposal	9S-21E	1
43-047-31996-00-00	NBU 159	Active Well	Water Disposal	9S-21E	35

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DIVISION OF
OIL, GAS AND MINING

State of Delaware
Office of the Secretary of State

PAGE 1

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "COASTAL OIL & GAS CORPORATION", CHANGING ITS NAME FROM "COASTAL OIL & GAS CORPORATION" TO "EL PASO PRODUCTION OIL & GAS COMPANY", FILED IN THIS OFFICE ON THE NINTH DAY OF MARCH, A.D. 2001, AT 11 O'CLOCK A.M.

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DIVISION OF
OIL, GAS AND MINING



Harriet Smith Windsor
Harriet Smith Windsor, Secretary of State

0610204 8100

010162788

AUTHENTICATION: 1061007

DATE: 04-03-01

CERTIFICATE OF AMENDMENT

OF

CERTIFICATE OF INCORPORATION

COASTAL OIL & GAS CORPORATION (the "Company"), a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware, DOES HEREBY CERTIFY:

FIRST: That the Board of Directors of the Company, by the unanimous written consent of its members, filed with the minutes of the Board, adopted a resolution proposing and declaring advisable the following amendment to the Certificate of Incorporation of the Company:

RESOLVED that it is deemed advisable that the Certificate of Incorporation of this Company be amended, and that said Certificate of Incorporation be so amended, by changing the Article thereof numbered "FIRST," so that, as amended, said Article shall be and read as follows:

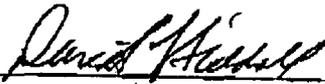
"FIRST. The name of the corporation is El Paso Production Oil & Gas Company."

SECOND: That in lieu of a meeting and vote of stockholders, the stockholders entitled to vote have given unanimous written consent to said amendment in accordance with the provisions of Section 228 of the General Corporation Law of the State of Delaware.

THIRD: That the aforesaid amendment was duly adopted in accordance with the applicable provisions of Sections 242 and 228 of the General Corporation Law of the State of Delaware.

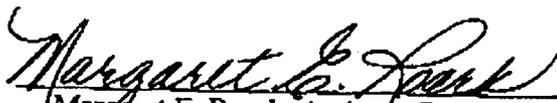
IN WITNESS WHEREOF, said COASTAL OIL & GAS CORPORATION has caused this certificate to be signed on its behalf by a Vice President and attested by an Assistant Secretary, this 9th day of March 2001.

COASTAL OIL & GAS CORPORATION



David L. Siddall
Vice President

Attest:



Margaret E. Roark, Assistant Secretary

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STATE OF DELAWARE
SECRETARY OF STATE
DIVISION OF CORPORATIONS
FILED 11:00 AM 03/09/2001
010118394 - 0610204

JUN 19 2001

DIVISION OF
OIL, GAS AND MINING

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THAT THE SAID "COASTAL OIL & GAS CORPORATION", FILED A CERTIFICATE OF AMENDMENT, CHANGING ITS NAME TO "EL PASO PRODUCTION OIL & GAS COMPANY", THE NINTH DAY OF MARCH, A.D. 2001, AT 11 O'CLOCK A.M.

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DIVISION OF
OIL, GAS AND MINING



Harriet Smith Windsor
Harriet Smith Windsor, Secretary of State

0610204 8320

AUTHENTICATION: 1103213

010202983

DATE: 04-27-01

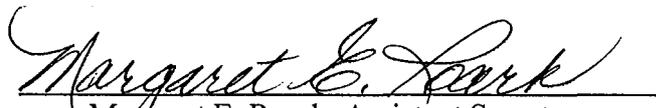
EL PASO PRODUCTION OIL & GAS COMPANY

CERTIFICATE OF INCUMBENCY

I, Margaret E. Roark, do hereby certify that I am a duly elected, qualified and acting Assistant Secretary of EL PASO PRODUCTION OIL & GAS COMPANY, a Delaware corporation (the "Company"), and that, as such, have the custody of the corporate records and seal of said Company; and

I do hereby further certify that the persons listed on the attached Exhibit A have been elected, qualified and are now acting in the capacities indicated, as of the date of this Certificate.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the corporate seal of El Paso Production Oil & Gas Company this 18th day of April 2001.


Margaret E. Roark, Assistant Secretary

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JUN 19 2001

DIVISION OF
OIL, GAS AND MINING

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH		4-KAS ✓
2. CDW		5-LPV <i>bbs</i>
3. JLT		6-FILE

Enter date after each listed item is completed

Change of Operator (Well Sold)

Designation of Agent

Operator Name Change (Only)

X Merger

The operator of the well(s) listed below has changed, effective: **3-09-2001**

FROM: (Old Operator):
COASTAL OIL & GAS CORPORATION
Address: 9 GREENWAY PLAZA STE 2721
HOUSTON, TX 77046-0995
Phone: 1-(713)-418-4635
Account N0230

TO: (New Operator):
EL PASO PRODUCTION OIL & GAS COMPANY
Address: 9 GREENWAY PLAZA STE 2721 RM 2975B
HOUSTON, TX 77046-0995
Phone: 1-(832)-676-4721
Account N1845

CA No.

Unit:

WELL(S)

NAME	API NO	ENTITY NO	SEC TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
ALLRED 2-16A3	43-013-30361	99996	16-01S-03W	FEE	WD	A
BIRCH 2-35A5	43-013-30362	99996	35-01S-05W	FEE	WD	A
G HANSON 2-4B3 SWD	43-013-30337	99990	04-02S-03W	FEE	WD	A
LAKE FORK 2-23B4	43-013-30038	1970	23-02S-04W	FEE	WD	A
LINDSAY RUSSELL 2-32B4	43-013-30371	99996	32-02S-04W	FEE	WD	A
TEW 1-9B5	43-013-30121	1675	09-02S-05W	FEE	WD	A
EHRICH 2-11B5	43-013-30391	99990	11-02S-05W	FEE	WD	A
LDS CHURCH 2-27B5	43-013-30340	99990	27-02S-05W	FEE	WD	A
UTE 1-14C6	43-013-30056	12354	14-03S-06W	INDIAN	WD	A
SOUTHMAN CANYON U 3	43-047-15880	99990	15-10S-23E	FEDERAL	WD	A
STIRRUP STATE 32-6 (HORSESHOE BEND UNIT)	43-047-32784	12323	32-06S-21E	STATE	WIW	A
NBU 21-20B (NATURAL BUTTES UNIT)	43-047-30359	2900	20-09S-20E	FEDERAL	WD	A
NBU 159 (NATURAL BUTTES UNIT)	43-047-31996	2900	35-09S-21E	FEDERAL	WD	A

OPERATOR CHANGES DOCUMENTATION

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 06/19/2001
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 06/19/2001
- The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 06/21/2001
- Is the new operator registered in the State of Utah: YES Business Number: 608186-0143

5. If **NO**, the operator was contacted contacted on: N/A
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on: N/A
7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
8. **Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: N/A
9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 06/21/2001
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 06/21/2001
3. Bond information entered in RBDMS on: 06/20/2001
4. Fee wells attached to bond in RBDMS on: 06/21/2001

STATE BOND VERIFICATION:

1. State well(s) covered by Bond No.: 400JU0705

FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed has furnished a bond: 400JU0708
2. The **FORMER** operator has requested a release of liability from their bond on: COMPLETION OF OPERATOR CHANGE
The Division sent response by letter on: N/A
3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: COMPLETION OF OPERATOR CHANGE

FILMING:

1. All attachments to this form have been **MICROFILMED** on: 7-26-01

FILING:

1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filled in each well file on: _____

COMMENTS: Master list of all wells involved in operator change from Coastal Oil & Gas Corporation to El Paso Production Oil and Gas Company shall be retained in the "Operator Change File".

JAN. 17. 2003 3:34PM

WESTPORT

NO. 173

P. 2

**WESTPORT OIL AND GAS COMPANY, L.P.**

410 Seventeenth Street #2300 Denver Colorado 80202-4436
Telephone: 303 573 5404 Fax: 303 573 5609

February 1, 2002

Department of the Interior
Bureau of Land Management
2850 Youngfield Street
Lakewood, CO 80215-7093
Attention: Ms. Martha Maxwell

RE: BLM Bond CO-1203
BLM Nationwide Bond 158626364
Surety - Continental Casualty Company
Belco Energy Corporation merger into Westport Oil and Gas Company, Inc.
Conversion of Westport Oil and Gas Company, Inc., into Westport Oil and Gas Company, L.P.
Assumption Rider - Westport Oil and Gas Company, L.P.

Dear Ms. Maxwell:

Pursuant to our recent conversations, please find the following list of enclosures for the BLM's consideration and approval:

Two (2) Assumption Riders, fully executed originals.
Copies of Belco Energy Corporation merger into Westport Oil and Gas Company, Inc.
Copies of Westport Oil and Gas Company, Inc., conversion into Westport Oil and Gas Company, L.P.
List of all Federal/BIA/State Leases - Belco/Westport's leases - in all states.

Please inform us of any additional information needed to complete the change to Westport Oil and Gas Company, L.P., as operator of record.

I thank you for your assistance and cooperation in this matter. Please do not hesitate contacting the undersigned, should a question arise.

Sincerely,
Westport Oil and Gas Company, L.P.

Debby J. Black
Engineer Technician

Encl:



United States Department of the Interior **RECEIVED**

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

FEB 22 2002

DIVISION OF
OIL, GAS AND MINING

In Reply Refer To:
3106
UTU-25566 et al
(UT-924)

FEB 21 2002

NOTICE

Westport Oil and Gas Company L.P. : Oil and Gas
410 Seventeenth Street, #2300 :
Denver Colorado 80215-7093 :

Name Change Recognized

Acceptable evidence has been received in this office concerning the name change of Westport Oil and Gas Company, Inc. into Westport Oil and Gas Company, L.P. with Westport Oil and Gas Company, L.P. being the surviving entity.

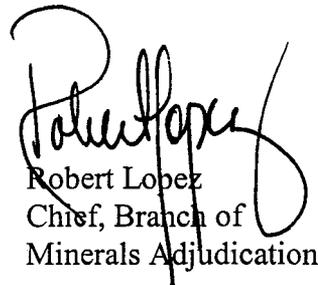
For our purposes, the name change is recognized effective December 31, 2001.

The oil and gas lease files identified have been noted as to the name change. The exhibit was compiled from a list of leases obtained from our computer program. We have not abstracted the lease files to determine if the entities affected by this name change hold an interest in the leases identified nor have we attempted to identify leases where the entities are the operator on the ground maintaining no vested recorded title or operating rights interests. We will be notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

If you identify additional leases in which the entities maintain an interest, please contact this office and we will appropriately document those files with a copy of this Notice.

Due to the name change, the name of the principal/obligor on the bond is required to be changed from Westport Oil and Gas Company, Inc. to Westport Oil and Gas Company, L.P. You may accomplish this either by consent of surety rider on the original bond or a rider to the original bond. The bonds are held in Colorado.

UTU-03405
UTU-20895
UTU-25566
UTU-43156
UTU-49518
UTU-49519
UTU-49522
UTU-49523



Robert Lopez
Chief, Branch of
Minerals Adjudication

cc: Moab Field Office
Vernal Field Office
MMS, Reference Data Branch, MS3130, PO Box 5860, Denver CO 80217
State of Utah, DOGM, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC UT 84114
Teresa Thompson (UT-922)
Joe Incardine (UT-921)

memorandum

Branch of Real Estate Services
Uintah & Ouray Agency

Date: 5 December, 2002

Reply to
Attn of: Supervisory Petroleum Engineer

Subject: Modification of Utah Division of Oil, Gas and Mining Regulations

To: Director, Utah Division of Oil, Gas and Mining Division: John Baza

We have been advised of changes occurring with the operation of your database for Change of Operator. You will be modifying your records to reflect Change of Operator once you have received all necessary documentation from the companies involved, and perhaps in advance of our Notice of Concurrence/Approval of Change of Operator where Indian leases are involved.

We have no objection.

With further comment to Rulemaking, I wish to comment concerning the provision of Exhibits for upcoming Hearings. I would like to see the Uintah & Ouray Agency, BIA, and the Ute Indian Tribe, Energy & Mineral Resources Department added to the list of those parties that receive advance Exhibits so as to allow us to have research time prior to Hearing dates. We will be able to provide a more informed recommendation to the Oil, Gas and Mining Board. It would be best if we would receive only those Exhibits that concern Indian lands, specifically on or adjacent to Indian lands. This may be a difficult situation to attain, as it is not always clear where 'on or adjacent' occurs.

I am aware that you have gone to extra effort to correct this matter already, and I fully appreciate it. My request is intended only to allow the addition of Uintah & Ouray Agency and Ute Indian Tribe to the official listing.

We appreciate your concern, and hope that these comments are timely enough for consideration in the revision process.



CC: Minerals & Mining Section of RES
Ute Energy & Mineral Resources Department: Executive Director
chrono



United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

Washington, D.C. 20240

FEB 10 2003

IN REPLY REFER TO:
Real Estate Services

Carroll A. Wilson
Principal Landman
Westport Oil and Gas Company, L.P.
1368 South 1200 East
Vernal, Utah 84078

Dear Mr. Wilson:

This is in response to your request for approval of RLI Insurance Company's Nationwide Oil and Gas Lease Bond No. RLB0005239 executed effective December 17, 2002, (\$150,000 coverage) with Westport Oil and Gas Company, L. P., as principal.

This bond is hereby approved as of the date of this correspondence and will be retained in the Bureau of Indian Affairs' Division of Real Estate Services, 1849 C Street, NW, MS-4512-MIB, Washington, D.C. 20240. All Bureau oil and gas regional offices and the surety are being informed of this action.

In cases where you have existing individual and/or collective bonds on file with one or more of our regional offices, you may now request those offices, directly, to terminate in lieu of coverage under this Nationwide Bond.

Enclosed is a copy of the approved bond for your files. If we may be of further assistance in this matter, please advise.

Sincerely,

Director, Office of Trust Responsibilities

ACTING

Enclosure

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER:
2. NAME OF OPERATOR: El Paso Production Oil & Gas Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 9 Greenway Plaza CITY Houston STATE TX ZIP 77064-0995		7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: (832) 676-5933		8. WELL NAME and NUMBER: Exhibit "A"
4. LOCATION OF WELL FOOTAGES AT SURFACE: COUNTY: QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: UTAH		9. API NUMBER:
		10. FIELD AND POOL, OR WILDCAT:

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

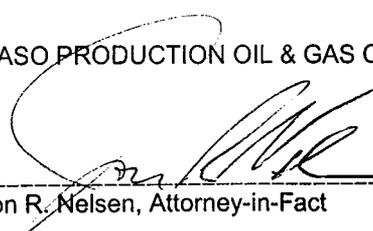
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Operator change to Westport Oil and Gas Company, L.P., 1670 Broadway, Suite 2800, Denver, CO. 80202-4800, effective December 17, 2002.

BOND # _____

State Surety Bond No. RLB0005236
Fee Bond No. RLB0005238

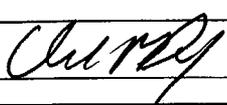
EL PASO PRODUCTION OIL & GAS COMPANY

By: 
Jon R. Nelsen, Attorney-in-Fact

RECEIVED

FEB 28 2003

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) WESTPORT OIL AND GAS COMPANY, L.P. David R. Dix	TITLE Agent and Attorney-in-Fact
SIGNATURE 	DATE 12/17/02

(This space for State use only)

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

5. Lease Serial No.
SEE ATTACHED EXHIBIT "A"

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
WESTPORT OIL & GAS COMPANY, L.P.

3a. Address
P.O. BOX 1148 VERNAL, UT 84078

3b. Phone No. (include area code)
(435) 781-7023

8. Well Name and No.
SEE ATTACHED EXHIBIT "A"

9. APT Well No.
SEE ATTACHED EXHIBIT "A"

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEE ATTACHED EXHIBIT "A"

10. Field and Pool, or Exploratory Area

11. County or Parish, State
UINTAH COUNTY, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal
			<input type="checkbox"/> Water Shut-Off
			<input type="checkbox"/> Well Integrity
			<input checked="" type="checkbox"/> Other

SUCCESSOR OF OPERATOR

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed if testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator determined that the site is ready for final inspection.

WESTPORT OIL & GAS COMPANY, L.P., IS CONSIDERED TO BE THE OPERATOR ON THE ATTACHED DESCRIBED LANDS AND IS RESPONSIBLE UNDER THE TERMS AND CONDITIONS OF THE LEASE FOR THE OPERATIONS CONDUCTED ON THE LEASED LANDS OR PORTIONS THEREOF, BOND COVERAGE FOR THIS WELL IS PROVIDED BY FEDERAL NATIONWIDE BOND NO. 158626364, EFFECTIVE FEBRUARY 1, 2002, AND BIA NATIONWIDE BOND NO. RLB0005239, EFFECTIVE FEBRUARY 10, 2003.

RECEIVED

MAR 04 2003

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)
CHERYL CAMERON

Title
OPERATIONS

Signature

Date
March 4, 2003

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

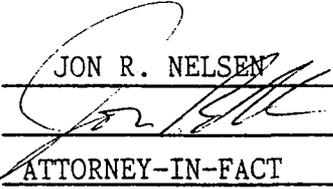
(Instructions on reverse)

TRANSFER OF AUTHORITY TO INJECT

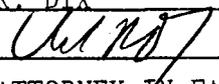
Well Name and Number <u>EXHIBIT "A"</u>		API Number
Location of Well		Field or Unit Name
Footage :	County :	Lease Designation and Number
QQ, Section, Township, Range:	State : UTAH	

EFFECTIVE DATE OF TRANSFER: 12-17-02

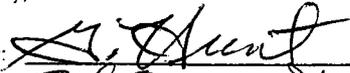
CURRENT OPERATOR

Company: EL PASO PRODUCTION OIL & GAS COMPANY Name: JON R. NELSEN
 Address: 1368 SOUTH 1200 EAST Signature: 
 city VERNAL state UT zip 84078 Title: ATTORNEY-IN-FACT
 Phone: 435-789-4433 Date: 12-17-02
 Comments:

NEW OPERATOR

Company: WESTPORT OIL AND GAS COMPANY L.P. Name: DAVID R. DIX
 Address: 1670 BROADWAY, SUITE 2800 Signature: 
 city DENVER state CO zip 80202-4800 Title: AGENT, ATTORNEY-IN-FACT
 Phone: 303-575-0177 Date: 12-17-02
 Comments:

(This space for State use only)

Transfer approved by:  Approval Date: 3-6-03
 Title: Tech. Services Manager

Comments: Does not apply to NBU SWD 2-16 a PTA well.

EXHIBIT "A"

TRANSFER OF AUTHORITY TO INJECT

STATE OF UTAH

DEPART OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

WELL NAME	API	FOOTAGE		COUNTY	QUARTER QUARTER LOCATION	SECTION	TOWNSHIP	RANGE	STATE	FIELD OF UNIT NAME
SOUTHMAN CANYON U 3	4304715880	2180 FSL	400 FEL	UINTAH	NE/4NE/4SE/4	15	10S	23E	UTAH	SOUTHMAN CANYON
NBU 2-1-20B	4304730359	1037 FNL	1033 FEL	UINTAH	SW/WNE/4NE/4	20	09S	20E	UTAH	NATURAL BUTTES
NBU 159	4304731996	1958 FSL	1945 FWL	UINTAH	SW/4NE/4SW/4	35	09S	21E	UTAH	NATURAL BUTTES
STRRUP ST 32-6	4304732784	850 FNL	800 FEL	UINTAH	NE/4NE/4	32	06S	21E	UTAH	HORSESHOE BEND
OURAY SWD 1	4304733449	561 FNL	899 FEL	UINTAH	NE/4NE/4	01	09S	21'E	UTAH	NATURAL BUTTES
NBU SWD 2-16	4304733597	2486 FSL	1122 FEL	UINTAH	NW/4NE/4SE/4	16	10S	21E	UTAH	NATURAL BUTTES

6. (R649-9-2)Waste Management Plan has been received on: IN PLACE

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: 12/31/2003

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: N/A

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: N/A

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 03/06/2003

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 03/07/2003

2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 03/07/2003

3. Bond information entered in RBDMS on: N/A

4. Fee wells attached to bond in RBDMS on: N/A

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: RLB 0005236

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: 158626364

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: RLB 0005239

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB 0005238

2. The **FORMER** operator has requested a release of liability from their bond on: N/A

The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS: COMPLETE LIST OF WELLS INVOLVING OPERATOR CHANGE MAY BE FOUND IN THE OPERATOR CHANGE FILE.

STATE OF UTAH
 Division of Oil, Gas and Mining
 355 West North Temple
 3 Triad Center, Suite 350
 Salt Lake City, Utah 84180-1203

INJECTION WELL - PRESSURE TEST

Test Date: <u>3/4/04</u>	Well Owner/Operator: <u>westport</u>
Disposal Well: <u>X</u>	Enhanced Recovery Well: _____ Other: _____
API No.: 43- <u>047-15880</u>	Well Name/Number: <u>southman Cyn #3</u>
Section: <u>15</u>	Township: <u>10S</u> Range: <u>23E</u>

Initial Conditions:

Tubing - Rate: 0 Pressure: 0 psi
 Casing/Tubing Annulus - Pressure: 1256 psi

Conditions During Test:

<u>Time (Minutes)</u>	<u>Annulus Pressure</u>	<u>Tubing Pressure</u>
0	<u>1256</u>	<u>0</u>
5	<u>1254</u>	<u>0</u>
10	<u>1252</u>	<u>0</u>
15	<u>1251</u>	<u>0</u>
20	<u>1249</u>	<u>0</u>
25	<u>1248</u>	<u>0</u>
30	<u>1247</u>	<u>0</u>

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 0 psi
 Casing/Tubing Annulus Pressure: 1247 psi

REMARKS: westport intends to start using facility.

Brad Burman
 Operator Representative

David M. [Signature]
 DOGM Witness

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
MULTIPLE WELLS- SEE ATTACHED

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
MULTIPLE WELLS- SEE ATTACHED

8. Well Name and No.
MULTIPLE WELLS- SEE ATTACHED

9. API Well No.
MULTIPLE WELLS- SEE ATTACHED

10. Field and Pool, or Exploratory Area
BONANZA/SOUTHMAN CANYON

11. County or Parish, State
UINTAH COUNTY, UTAH

SUBMIT IN TRIPLICATE – Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
WESTPORT OIL & GAS COMPANY, L.P.

3a. Address
1368 SOUTH 1200 EAST, VERNAL, UTAH 84078

3b. Phone No. (include area code)
435-781-7060

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
MULTIPLE WELLS- SEE ATTACHED

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize <input type="checkbox"/> Deepen <input type="checkbox"/> Production (Start/Resume) <input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Reclamation <input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair <input type="checkbox"/> New Construction <input type="checkbox"/> Recomplete <input checked="" type="checkbox"/> Other VARIANCE
	<input type="checkbox"/> Change Plans <input type="checkbox"/> Plug and Abandon <input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection <input type="checkbox"/> Plug Back <input type="checkbox"/> Water Disposal

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

Westport Oil & Gas requests a variance to Onshore Order No. 4, Part III C. a. requiring each sales tank be equipped with a pressure- vacuum thief hatch and/or vent line valve. The variance is requested as an economic analysis shows the value of the shrunk condensate will not payout the incremental cost of purchasing and maintaining the valve resulting in a loss of value over the producing life of the well.

The volume lost to shrinkage by dropping the tank pressure from 6 ozs. To 0 psig is shown to be 0.3% of the tank volume. This was determined by lab analysis of a representative sample from the field. The sample shrunk from 98.82% of original volume to 98.52% when the pressure was dropped. The average well produces approximately 6 bbls condensate per month. The resulting shrinkage would amount to 0.56 bbls per month lost volume due to shrinkage. The value of the shrunk and lost condensate does not recoup or payout the cost of installing and maintaining the valves and other devices that hold the positive tank pressure. An economic run based on the loss and costs is attached. Westport Oil & Gas requests approval of this variance in order to increase the value of the well to the operator and the mineral royalty owners.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed) DEBRA DOMENICI	Title ENVIRONMENTAL ASSISTANT
Signature <i>Debra Domenici</i>	Date July 9, 2004

THIS SPACE FOR FEDERAL OR STATE USE

Approved by _____ Title _____ Date _____

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Accepted by the
Utah Division of
Oil, Gas and Mining

Federal Approval Of This
Action is Necessary

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

COPY SENT TO OPERATOR
Date: 7-16-04
Initials: CHA

Date: 7/14/04
By: *[Signature]*
RECEIVED
JUL 14 2004

Westport Oil & Gas, L.P.

Project Economics Worksheet

Instructions:

Fill in blue boxed areas with before and after project data. The evaluation results are shown below and graphed automatically at the bottom of the page. This sheet is protected to prevent accidental alteration of the formulas. See JTC for changes. OPX entered as annual costs and/or as unit OPX costs for \$/BF and \$/MCF

Project Name:

Condensate Shrinkage Economics

Is this job a well pull or production rig job ??? Y N (Y or N)

	BEFORE \$/Year	AFTER \$/Year	DIFFERENCE \$/Year
Gross Oil Revenue	\$1,088	\$1,099	\$11
Gross Gas Revenue	\$0	\$0	\$0
NGL Revenue	\$0	\$0	\$0
PULING UNIT SERVICE			\$0
WIRELINE SERVICE			\$0
SUBSURF EQUIP REPAIRS			\$0
COMPANY LABOR			\$0
CONTRACT LABOR	\$0	\$200	\$200
CONTR SERVICE			\$0
LEASE FUEL GAS	\$0	\$0	\$0
UTILITIES - ELECTRICITY	\$0	\$0	\$0
CHEMICAL TREATING			\$0
MATERIAL & SUPPLY	\$0	\$150	\$150
WATER & HAULING			\$0
ADMINISTRATIVE COSTS			\$0
GAS PLANT PROCESSING			\$0
Totals	\$0	\$350	\$350

Increased OPX Per Year

Investment Breakdown:

	Cap/Exp Code	Cost, \$
Capital \$	820/830/840	\$1,200
Expense \$	830/860	\$0
Total \$		\$1,200

Oil Price	\$ 23.00	\$/BO
Gas Price	\$ 3.10	\$/MCF
Electric Cost	\$ -	\$/ HP / day
OPX/BF	\$ 2.00	\$/BF
OPX/MCF	\$ 0.62	\$/MCF

Production & OPX Detail:

	Before	After	Difference
Oil Production	0.192 BOPD	0.194 BOPD	0.002 BOPD
Gas Production	0 MCFPD	0 MCFPD	0 MCFPD
Wir Production	0 BWPD	0 BWPD	0 BWPD
Horse Power	0 HP	0 HP	0 HP
Fuel Gas Burned	0 MCFPD	0 MCFPD	0 MCFPD

Project Life:

Life = Years
(Life no longer than 20 years)

Internal Rate of Return:

After Tax IROR =

AT Cum Cashflow:

Operating Cashflow = (Discounted @ 10%)

Payout Calculation:

$$\text{Payout} = \frac{\text{Total Investment}}{\text{Sum(OPX + Incremental Revenue)}} = 1$$

Payout occurs when total AT cashflow equals investment
See graph below, note years when cashflow reaches zero

Payout = Years or Days

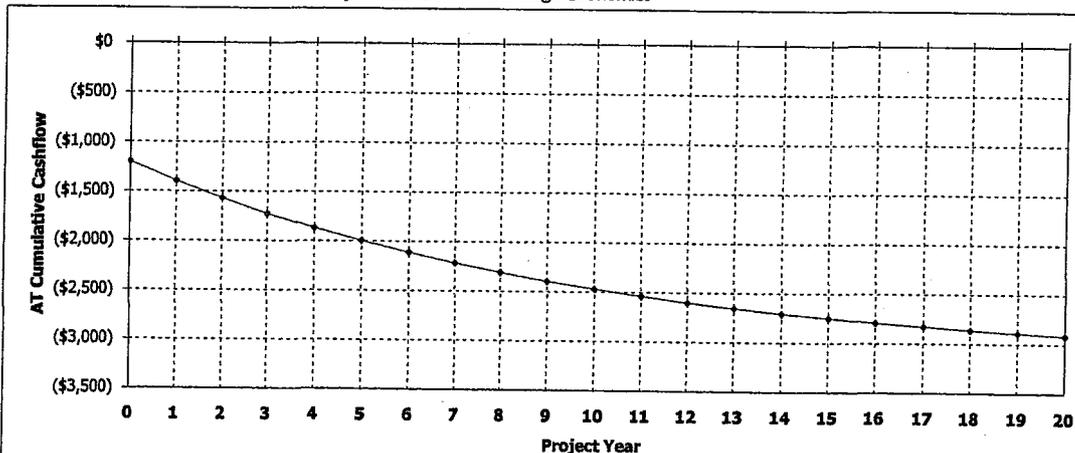
Gross Reserves:

Oil Reserves = 6 BO
Gas Reserves = 0 MCF
Gas Equiv Reserves = 38 MCFE

Notes/Assumptions:

An average NBU well produces 0.192 Bcpd with no tank pressure. The production is increased to 0.196 Bcpd if 6 ozs of pressure are placed on the tank. The increased production does not payout the valve cost or the estimated annual maintenance costs.

Project: Condensate Shrinkage Economics



Westport Oil and Gas, Inc.
NBU/Ouray Field
RFL 2003-022

COMPARISON OF FLASH BACK PRESSURES

Calculated by Characterized Equation-of-State

Flash Conditions		Gas/Oil Ratio (scf/STbbl) (A)	Specific Gravity of Flashed Gas (Air=1.000)	Separator Volume Factor (B)	Separator Volume Percent (C)
psig	°F				

Calculated at Laboratory Flash Conditions

80	70			1.019	
0	122	30.4	0.993	1.033	101.37%
0	60	0.0	—	1.000	98.14%

Calculated Flash with Backpressure using Tuned EOS

80	70			1.015	
6.0 oz	65	24.6	0.777	1.003	98.82%
0	60	0.0	—	1.000	98.52%
80	70			1.015	
4.0 oz	65	24.7	0.778	1.003	98.82%
0	60	0.0	—	1.000	98.52%
80	70			1.015	
2.0 oz	65	24.7	0.779	1.003	98.82%
0	60	0.0	—	1.000	98.52%
80	70			1.015	
0	65	24.8	0.780	1.003	98.82%
0	60	0.0	—	1.000	98.52%

(A) Cubic Feet of gas at 14.696 psia and 60 °F per Barrel of Stock Tank Oil at 60 °F.

(B) Barrels of oil at indicated pressure and temperature per Barrel of Stock Tank Oil at 60 °F.

(C) Oil volume at indicated pressure and temperature as a percentage of original saturated oil volume.

Note: Bubblepoint of sample in original sample container was 80 psig at 70° F with 1 cc water

ALL WELLS ROCKY MOUNTAIN GAS- BONANZA/SOUTHMAN CANYON ENARDO VARIANCE

WELL	LEGALS				STF LEASE NO	CA NUMBER	API NO
	SEC	TWN	RGE	QTR/QTR			
BONANZA 04-06	4	10S	23E	NESW	U-33433	UTU33433	430473475100S1
BONANZA 06-02	6	10S	23E	NESW	UTU38419	UTU38419	430473484300S1
BONANZA 08-02	8	10S	23E	SESE	UTU37355	UTU37355	430473408700S1
BONANZA 08-03	8	10S	23E	NWNW	U-37355	UTU37355	430473477000S1
BONANZA 09-05	9	10S	23E	SESW	U-37355	UTU37355	430473486600S1
BONANZA 09-06	9	10S	23E	NWNE	U-37355	UTU37355	430473477100S1
BONANZA 10-02	10	10S	23E	NWNW	U72028	UTU80201	430473470400S1
BONANZA 10-03	10	10S	23E	NWNE	UTU38261	CR-5	430473472800S1
BONANZA 10-04	10	10S	23E	SENE	UTU40736	CR-5	430473477200S1
BONANZA 1023-4E	4	10S	23E	SWNW	U-33433		43047353920S1
BONANZA 1023-6C	6	10S	23E	NENW	U-38419	UTU38419	430473515300S1
BONANZA 1023-7B	7	10S	23E	NWNE	U-38420	UTU38420	430473517200S1
BONANZA 1023-7L	7	10S	23E	NWSW	U-38420		430473528900S1
BONANZA 11-02	11	10S	23E	SWNW	UTU38425	CR-23	430473477300S1
BONANZA FEDERAL 03-15	15	10S	23E	NENW	UTU38428	UTU38428	430473127800S1
CANYON VIEW FEDERAL 1-18	18	10S	23E	SENE	UTU38421	UTU38421	430473037900S1
CROOKED CYN FED 1-17	17	10S	23E	NESW	UTU37355	UTU37355	430473036900S1
FLAT MESA FEDERAL 1-7	7	10S	23E	NWSE	UTU38420	UTU38420	430473036500S1
FLAT MESA FEDERAL 2-7	7	10S	23E	SENE	UTU38420	UTU38420	430473054500S1
JACK RABBIT 1-11	11	10S	23E	SWNE	UTU38425	CR-23	430473042300S1
LOOKOUT POINT STATE 1-16	16	10S	23E	NESE	ML22186A		430473054400S1
NO NAME CANYON 1-9	9	10S	23E	SENE	UTU037355	UTU37355	430473037800S1
NO NAME CANYON 2-9	9	10S	23E	NENW	UTU037355	UTU37355	430473150400S1
NSO FEDERAL 1-12	12	10S	23E	NENW	UTU38423	CR-22	430473056000S1
PETE'S FLAT 1-1	1	10S	23E	NESE	UTU40736		430473055800S1
SAGE HEN FEDERAL 1-6	6	10S	23E	NESE	UTU38419	CR-3	430473038200S1
SAGEBRUSH FEDERAL 1-8	8	10S	23E	SWNE	UTU37355	UTU37355	430473038300S1
SHEEPHERDER FEDERAL 1-10	10	10S	23E	NESE	UTU38424	CR-5	430473055900S1
SOUTHMAN CANYON 01-05 FED	5	10S	23E	SENE	UTU33433	UTU74473	430473085600S1
SOUTHMAN CANYON 04-04	4	10S	23E	NWSE	UTU33433	UTU33433	430473063200S1
SOUTHMAN CANYON 04-05	5	10S	23E	NESE	UTU33433	UTU33433	430473063300S1
SOUTHMAN CANYON 09-03M	9	10S	23E	SWSW	UTU37355	UTU37355	430473254000S1
SOUTHMAN CANYON 09-04J	9	10S	23E	NWSE	UTU37355	UTU37355	430473254100S1
SOUTHMAN CANYON 31-01-L	31	09S	23E	NWSW	UTU33433	UTU74898	430473254300S1
SOUTHMAN CANYON 31-02X	31	09S	23E	NWNW	UTU33433	UTU33433	430473489800S1
SOUTHMAN CANYON 31-03	31	09S	23E	SENE	UTU33433	UTU33433	430473472600S1
SOUTHMAN CANYON 31-04	31	09S	23E	SESW	UTU33433		430473472700S1
SOUTHMAN CANYON 923-31B	31	09S	23E	NWNE	U-33433	UTU33433	430473515000S1
SOUTHMAN CANYON 923-31J	31	09S	23E	NWSE	U-33433	UTU33433	430473514900S1
SOUTHMAN CANYON 923-31P	31	09S	23E	SESE	U-33433		430473528800S1
SOUTHMAN CANYON SWD #3	15	10S	23E	NESE	UTU-38427		430471588000S1
WHITE RIVER 1-14	14	10S	23E	NENW	UTU38427	UTU38427	430473048100S1

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
MULTIPLE WELLS- SEE ATTACHED

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
MULTIPLE WELLS- SEE ATTACHED

8. Well Name and No.
MULTIPLE WELLS- SEE ATTACHED

9. API Well No.
MULTIPLE WELLS- SEE ATTACHED

10. Field and Pool, or Exploratory Area
MULTIPLE WELLS- SEE ATTACHED

11. County or Parish, State
UINTAH COUNTY, UTAH

SUBMIT IN TRIPLICATE – Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
WESTPORT OIL & GAS COMPANY, L.P.

3a. Address
1368 SOUTH 1200 EAST, VERNAL, UTAH 84078

3b. Phone No. (include area code)
435-781-7060

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
MULTIPLE WELLS- SEE ATTACHED

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input checked="" type="checkbox"/> Water Disposal
			<input type="checkbox"/> Water Shut-Off
			<input type="checkbox"/> Well Integrity
			<input type="checkbox"/> Other _____

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

WESTPORT OIL & GAS COMPANY RESCINDS ANY PREVIOUSLY APPROVED DISPOSAL SITES AND PROPOSES THAT ANY PRODUCED WATER FROM THE ATTACHED LIST OF WELLS WILL BE CONTAINED IN A WATER TANK AND WILL THEN BE HAULED BY TRUCK TO ONE OF THE FOLLOWING PRE-APPROVED DISPOSAL SITES: DALBO, INC.; RNI, SEC. 5-T9S-R22E; ACE OILFIELD, SEC. 2-T6S-R20E; SOUTHMAN CANYON #3 SWD, SEC. 15-T10S-R23E, API NO. 4304715880000S1; AND DIRTY DEVIL FEDERAL 14-10 SWD, SWC. 10-T9S-R24E, API NO. 430473056600S1.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY**

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed) DEBRA DOMENICI	Title ENVIRONMENTAL ASSISTANT
Signature <i>Debra Domenici</i>	Date July 12, 2004

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

RECEIVED

JUL 14 2004

DIV. OF OIL, GAS & MINING

WELL	LEGALS				STF LEASE NO	CA NUMBER	API NO
	SEC	TWN	RGE	QTR/QTR			
BONANZA 04-06	4	10S	23E	NESW	U-33433	UTU33433	430473475100S1
BONANZA 06-02	6	10S	23E	NESW	UTU38419	UTU38419	430473484300S1
BONANZA 08-02	8	10S	23E	SESE	UTU37355	UTU37355	430473408700S1
BONANZA 08-03	8	10S	23E	NWNW	U-37355	UTU37355	430473477000S1
BONANZA 09-05	9	10S	23E	SESW	U-37355	UTU37355	430473486600S1
BONANZA 09-06	9	10S	23E	NWNE	U-37355	UTU37355	430473477100S1
BONANZA 10-02	10	10S	23E	NWNW	U72028	UTU80201	430473470400S1
BONANZA 10-03	10	10S	23E	NWNE	UTU38261	CR-5	430473472800S1
BONANZA 10-04	10	10S	23E	SENE	UTU40736	CR-5	430473477200S1
BONANZA 1023-2A	2	10S	23E	NENE	ML47062		430473534700S1
BONANZA 1023-2C	2	10S	23E	NENW	ML47062		430473534600S1
BONANZA 1023-2E	2	10S	23E	SWNW	ML47062		430473534500S1
BONANZA 1023-4E	4	10S	23E	SWNW	U-33433		43047353920S1
BONANZA 1023-6C	6	10S	23E	NENW	U-38419	UTU38419	430473515300S1
BONANZA 1023-7B	7	10S	23E	NWNE	U-38420	UTU38420	430473517200S1
BONANZA 1023-7L	7	10S	23E	NWSW	U-38420		430473528900S1
BONANZA 11-02	11	10S	23E	SWNW	UTU38425	CR-23	430473477300S1
BONANZA FEDERAL 03-15	15	10S	23E	NENW	UTU38428	UTU38428	430473127800S1
CANYON VIEW FEDERAL 1-18	18	10S	23E	SENE	UTU38421	UTU38421	430473037900S1
CIGE 008	35	09S	22E	SWSE	UTU010954A	891008900A	430473042700S1
CIGE 009	36	09S	22E	NWSE	ML22650	891008900A	430473041900S1
CIGE 010	2	10S	22E	NWSE	ML22651	891008900A	430473042500S1
CIGE 031	1	10S	22E	SWNW	U011336	891008900A	430473051100S1
CIGE 062D	36	09S	22E	NWSW	ML22650	891008900A	430473088500S1
CIGE 067A	2	10S	22E	NENE	ML22651	891008900A	430473093800S1
CIGE 068D	35	09S	22E	NWSW	UTU010954A	891008900A	430473095100S1
CIGE 089D	34	09S	22E	SENE	UTU0149077	891008900A	430473114600S1
CIGE 105D	1	10S	22E	NENW	U011336	891008900A	430473175800S1
CIGE 118	35	09S	22E	NESE	UTU010954A	891008900A	430473202500S1
CIGE 144	2	10S	22E	SWNE	ML22651	891008900A	430473202200S1
CIGE 147	36	09S	22E	SESW	ML22650	891008900A	430473202000S1
CIGE 153	35	09S	22E	SESW	UTU010954A	891008900A	430473206700S1
CIGE 161	2	10S	22E	SESE	ML22651	891008900A	430473216800S1
CIGE 162	36	09S	22E	SESE	ML22650	891008900A	430473216400S1
CIGE 186	35	09S	22E	NWSE	UTU010954A	891008900A	430473259000S1
CIGE 193	35	09S	22E	SESE	UTU010954A	891008900A	430473297300S1
CIGE 194	1	10S	22E	SWNW	U011336	891008900A	430473293200S1
CIGE 195	2	10S	22E	NWNE	ML22651	891008900A	430473279700S1
CIGE 212	34	09S	22E	NENE	UTU0149077	891008900A	430473293800S1
CIGE 221	36	09S	22E	SWSW	ML22650	891008900A	430473286800S1
CIGE 222	36	09S	22E	NESW	ML22650	891008900A	430473286900S1
CIGE 223	1	10S	22E	NWNW	U011336	891008900A	430473298300S1
CLIFF EDGE 1-15	15	10S	23E	NWSE	UTU38427	UTU38427	430473046200S1
CROOKED CYN FED 1-17	17	10S	23E	NESW	UTU37355	UTU37355	430473036900S1
FLAT MESA FEDERAL 1-7	7	10S	23E	NWSE	UTU38420	UTU38420	430473036500S1
FLAT MESA FEDERAL 2-7	7	10S	23E	SENE	UTU38420	UTU38420	430473054500S1
JACK RABBIT 1-11	11	10S	23E	SWNE	UTU38425	CR-23	430473042300S1
LOOKOUT POINT STATE 1-16	16	10S	23E	NESE	ML22186A		430473054400S1
NBU 024N2	12	10S	22E	SESE	U01197A	891008900A	430473053500S1
NBU 038N2	13	10S	22E	NWSW	U06512	891008900A	430473053600S1
NBU 1022-1G	1	10S	22E	SWNE	U-11336	891008900A	430473517500S1
NBU 922-35K	35	09S	22E	NESW	UTU-010954A	891008900A	430473512600S1
NBU 922-36I	36	09S	22E	NESE	ML-22650	891008900A	430473510700S1
NO NAME CANYON 1-9	9	10S	23E	SENE	UTU037355	UTU37355	430473037800S1
NO NAME CANYON 2-9	9	10S	23E	NENW	UTU037355	UTU37355	430473150400S1
NSO FEDERAL 1-12	12	10S	23E	NENW	UTU38423	CR-22	430473056000S1
PETE'S FLAT 1-1	1	10S	23E	NESE	UTU40736		430473055800S1
SAGE HEN FEDERAL 1-6	6	10S	23E	NESE	UTU38419	CR-3	430473038200S1
SAGEBRUSH FEDERAL 1-8	8	10S	23E	SWNE	UTU37355	UTU37355	430473038300S1
SHEPHERDER FEDERAL 1-10	10	10S	23E	NESE	UTU38424	CR-5	430473055900S1
SOUTHMAN CANYON 01-05 FED	5	10S	23E	SENE	UTU33433	UTU74473	430473085600S1

WELL	LEGALS				STF LEASE NO	CA NUMBER	API NO
	SEC	TWN	RGE	QTR/QTR			
SOUTHMAN CANYON 04-04	4	10S	23E	NWSE	UTU33433	UTU33433	430473063200S1
SOUTHMAN CANYON 04-05	5	10S	23E	NESE	UTU33433	UTU33433	430473063300S1
SOUTHMAN CANYON 09-03M	9	10S	23E	SWSW	UTU37355	UTU37355	430473254000S1
SOUTHMAN CANYON 09-04J	9	10S	23E	NWSE	UTU37355	UTU37355	430473254100S1
SOUTHMAN CANYON 31-01-L	31	09S	23E	NWSW	UTU33433	UTU74898	430473254300S1
SOUTHMAN CANYON 31-02X	31	09S	23E	NWNW	UTU33433	UTU33433	430473489800S1
SOUTHMAN CANYON 31-03	31	09S	23E	SESW	UTU33433	UTU33433	430473472600S1
SOUTHMAN CANYON 31-04	31	09S	23E	SESW	UTU33433		430473472700S1
SOUTHMAN CANYON 923-31B	31	09S	23E	NWNE	U-33433	UTU33433	430473515000S1
SOUTHMAN CANYON 923-31J	31	09S	23E	NWSE	U-33433	UTU33433	430473514900S1
SOUTHMAN CANYON 923-31P	31	09S	23E	SESE	U-33433		430473528800S1
SOUTHMAN CANYON SWD #3	15	10S	23E	NESE	UTU-38427		430471588000S1
WHITE RIVER 1-14	14	10S	23E	NENW	UTU38427	UTU38427	430473048100S1

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – Other instructions on reverse side

5. Lease Serial No.
MULTIPLE WELLS- SEE ATTACHED

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
MULTIPLE WELLS- SEE ATTACHED

8. Well Name and No.
MULTIPLE WELLS- SEE ATTACHED

9. API Well No.
MULTIPLE WELLS- SEE ATTACHED

10. Field and Pool, or Exploratory Area
MULTIPLE WELLS- SEE ATTACHED

11. County or Parish, State
UINTAH COUNTY, UTAH

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
WESTPORT OIL & GAS COMPANY, L.P.

3a. Address
1368 SOUTH 1200 EAST, VERNAL, UTAH 84078

3b. Phone No. (include area code)
435-781-7060

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
MULTIPLE WELLS- SEE ATTACHED

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input checked="" type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

Westport Oil & Gas Company rescinds any previously approved disposal sites and proposes that any produced water from the attached list of wells on Exhibit A will be contained in a water tank and will then be hauled by truck to one of the following pre-approved disposal sites: Dalbo, Inc. Disposal Pit; RNI Disposal Pit, Sec. 5-T9S-R22E; Ace Oilfield Disposal, Sec. 2-T6S-R20E; Southman Canyon #3 SWD, Sec. 15-T10S-R23E, API No. 43047158800000S1 CIGE 9 SWD, Sec. 36-T9S-R22E; and Dirty Devil Federal 14-10 SWD, Sec. 10-T9S-R24E, API No. 430473056600S1. The disposal/emergency pits for the locations listed on Exhibit B will be reclaimed within the 2004 year. The rest of the locations that have disposal/emergency pits which are listed on Exhibit C will have their pits reclaimed by September 2008.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed) DEBRA DOMENICI	Title ENVIRONMENTAL ASSISTANT
Signature <i>Debra Domenici</i>	Date July 22, 2004

RECEIVED
JUL 27 2004
DIV. OF OIL, GAS & MINING

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

EXHIBIT A

WELL	LEGALS				STF LEASE NO	CA NUMBER	API NO
	SEC	TWN	RGE	QTR/QTR			
BONANZA 04-06	4	10S	23E	NESW	U-33433	UTU33433	430473475100S1
BONANZA 06-02	6	10S	23E	NESW	UTU38419	UTU38419	430473484300S1
BONANZA 08-02	8	10S	23E	SESE	UTU37355	UTU37355	430473408700S1
BONANZA 08-03	8	10S	23E	NWNW	U-37355	UTU37355	430473477000S1
BONANZA 09-05	9	10S	23E	SESW	U-37355	UTU37355	430473486600S1
BONANZA 09-06	9	10S	23E	NWNE	U-37355	UTU37355	430473477100S1
BONANZA 10-02	10	10S	23E	NWNW	U72028	UTU80201	430473470400S1
BONANZA 10-03	10	10S	23E	NWNE	UTU38261	CR-5	430473472800S1
BONANZA 10-04	10	10S	23E	SENE	UTU40736	CR-5	430473477200S1
BONANZA 1023-2A	2	10S	23E	NENE	ML47062		430473534700S1
BONANZA 1023-2C	2	10S	23E	NENW	ML47062		430473534600S1
BONANZA 1023-2E	2	10S	23E	SWNW	ML47062		430473534500S1
BONANZA 1023-4E	4	10S	23E	SWNW	U-33433		430473539200S1
BONANZA 1023-6C	6	10S	23E	NENW	U-38419	UTU38419	430473515300S1
BONANZA 1023-7B	7	10S	23E	NWNE	U-38420	UTU38420	430473517200S1
BONANZA 1023-7L	7	10S	23E	NWSW	U-38420		430473528900S1
BONANZA 11-02	11	10S	23E	SWNW	UTU38425	CR-23	430473477300S1
BONANZA FEDERAL 03-15	15	10S	23E	NENW	UTU38428	UTU38428	430473127800S1
CANYON VIEW FEDERAL 1-18	18	10S	23E	SENE	UTU38421	UTU38421	430473037900S1
CIGE 008	35	09S	22E	SWSE	UTU010954A	891008900A	430473042700S1
CIGE 009	36	09S	22E	NWSE	ML22650	891008900A	430473041900S1
CIGE 010	2	10S	22E	NWSE	ML22651	891008900A	430473042500S1
CIGE 031	1	10S	22E	SWNW	U011336	891008900A	430473051100S1
CIGE 062D	36	09S	22E	NWSW	ML22650	891008900A	430473088500S1
CIGE 067A	2	10S	22E	NENE	ML22651	891008900A	430473093800S1
CIGE 068D	35	09S	22E	NWSW	UTU010954A	891008900A	430473095100S1
CIGE 089D	34	09S	22E	SENE	UTU0149077	891008900A	430473114600S1
CIGE 105D	1	10S	22E	NENW	U011336	891008900A	430473175800S1
CIGE 118	35	09S	22E	NESE	UTU010954A	891008900A	430473202500S1
CIGE 144	2	10S	22E	SWNE	ML22651	891008900A	430473202200S1
CIGE 147	36	09S	22E	SESW	ML22650	891008900A	430473202000S1
CIGE 153	35	09S	22E	SESW	UTU010954A	891008900A	430473206700S1
CIGE 161	2	10S	22E	SESE	ML22651	891008900A	430473216800S1
CIGE 162	36	09S	22E	SESE	ML22650	891008900A	430473216400S1
CIGE 186	35	09S	22E	NWSE	UTU010954A	891008900A	430473259000S1
CIGE 193	35	09S	22E	SESE	UTU010954A	891008900A	430473297300S1
CIGE 194	1	10S	22E	SWNW	U011336	891008900A	430473293200S1
CIGE 195	2	10S	22E	NWNE	ML22651	891008900A	430473279700S1
CIGE 212	34	09S	22E	NENE	UTU0149077	891008900A	430473293800S1
CIGE 221	36	09S	22E	SWSW	ML22650	891008900A	430473286800S1
CIGE 222	36	09S	22E	NESW	ML22650	891008900A	430473286900S1
CIGE 223	1	10S	22E	NWNW	U011336	891008900A	430473298300S1
CLIFF EDGE 1-15	15	10S	23E	NWSE	UTU38427	UTU38427	430473046200S1
CROOKED CYN FED 1-17	17	10S	23E	NESW	UTU37355	UTU37355	430473036900S1
FLAT MESA FEDERAL 1-7	7	10S	23E	NWSE	UTU38420	UTU38420	430473036500S1
FLAT MESA FEDERAL 2-7	7	10S	23E	SENE	UTU38420	UTU38420	430473054500S1
JACK RABBIT 1-11	11	10S	23E	SWNE	UTU38425	CR-23	430473042300S1
LOOKOUT POINT STATE 1-16	16	10S	23E	NESE	ML22186A		430473054400S1
NBU 024N2	12	10S	22E	SESE	U01197A	891008900A	430473053500S1
NBU 038N2	13	10S	22E	NWSW	U06512	891008900A	430473053600S1
NBU 1022-1G	1	10S	22E	SWNE	U-11336	891008900A	430473517500S1
NBU 922-35K	35	09S	22E	NESW	UTU-010954A	891008900A	430473512600S1
NBU 922-36I	36	09S	22E	NESE	ML-22650	891008900A	430473510700S1
NO NAME CANYON 1-9	9	10S	23E	SENE	UTU037355	UTU37355	430473037800S1
NO NAME CANYON 2-9	9	10S	23E	NENW	UTU037355	UTU37355	430473150400S1
NSO FEDERAL 1-12	12	10S	23E	NENW	UTU38423	CR-22	430473056000S1
PETE'S FLAT 1-1	1	10S	23E	NESE	UTU40736		430473055800S1
SAGE HEN FEDERAL 1-6	6	10S	23E	NESE	UTU38419	CR-3	430473038200S1
SAGEBRUSH FEDERAL 1-8	8	10S	23E	SWNE	UTU37355	UTU37355	430473038300S1
SHEEPHERDER FEDERAL 1-10	10	10S	23E	NESE	UTU38424	CR-5	430473055900S1
SOUTHMAN CANYON 01-05 FED	5	10S	23E	SENE	UTU33433	UTU74473	430473085600S1

EXHIBIT B
PITS TO BE RECLAIMED IN 2004

WELL	LEGALS				STF LEASE NO	CA NUMBER	API NO
	SEC	TWN	RGE	QTR/QTR			
CIGE 008	35	09S	22E	SWSE	UTU010954A	891008900A	430473042700S1
CIGE 062D	36	09S	22E	NWSW	ML22650	891008900A	430473088500S1
CIGE 153	35	09S	22E	SESW	UTU010954A	891008900A	430473206700S1

EXHIBIT C
PITS TO BE RECLAIMED BY SEPTEMBER, 2008

WELL	LEGALS				STF LEASE NO	CA NUMBER	API NO
	SEC	TWN	RGE	QTR/QTR			
CIGE 008	35	09S	22E	SWSE	UTU010954A	891008900A	430473042700S1
CIGE 009	36	09S	22E	NWSE	ML22650	891008900A	430473041900S1
CIGE 010	2	10S	22E	NWSE	ML22651	891008900A	430473042500S1
CIGE 031	1	10S	22E	SWNW	U011336	891008900A	430473051100S1
CIGE 062D	36	09S	22E	NWSW	ML22650	891008900A	430473088500S1
CIGE 067A	2	10S	22E	NENE	ML22651	891008900A	430473093800S1
CIGE 068D	35	09S	22E	NWSW	UTU010954A	891008900A	430473095100S1
CIGE 089D	34	09S	22E	SENE	UTU0149077	891008900A	430473114600S1
CIGE 105D	1	10S	22E	NENW	U011336	891008900A	430473175800S1
CIGE 118	35	09S	22E	NESE	UTU010954A	891008900A	430473202500S1
CIGE 144	2	10S	22E	SWNE	ML22651	891008900A	430473202200S1
CIGE 153	35	09S	22E	SESW	UTU010954A	891008900A	430473206700S1
CIGE 161	2	10S	22E	SESE	ML22651	891008900A	430473216800S1
CIGE 162	36	09S	22E	SESE	ML22650	891008900A	430473216400S1
NBU 024N2	12	10S	22E	SESE	U01197A	891008900A	430473053500S1
NBU 038N2	13	10S	22E	NWSW	U06512	891008900A	430473053600S1

EXHIBIT A

WELL	LEGALS				STF LEASE NO	CA NUMBER	API NO
	SEC	TWN	RGE	QTR/QTR			
SOUTHMAN CANYON 04-04	4	10S	23E	NWSE	UTU33433	UTU33433	430473063200S1
SOUTHMAN CANYON 04-05	5	10S	23E	NESE	UTU33433	UTU33433	430473063300S1
SOUTHMAN CANYON 09-03M	9	10S	23E	SWSW	UTU37355	UTU37355	430473254000S1
SOUTHMAN CANYON 09-04J	9	10S	23E	NWSE	UTU37355	UTU37355	430473254100S1
SOUTHMAN CANYON 31-01-L	31	09S	23E	NWSW	UTU33433	UTU74898	430473254300S1
SOUTHMAN CANYON 31-02X	31	09S	23E	NWNW	UTU33433	UTU33433	430473489800S1
SOUTHMAN CANYON 31-03	31	09S	23E	SENW	UTU33433	UTU33433	430473472600S1
SOUTHMAN CANYON 31-04	31	09S	23E	SESW	UTU33433		430473472700S1
SOUTHMAN CANYON 923-31B	31	09S	23E	NWNE	U-33433	UTU33433	430473515000S1
SOUTHMAN CANYON 923-31J	31	09S	23E	NWSE	U-33433	UTU33433	430473514900S1
SOUTHMAN CANYON 923-31P	31	09S	23E	SESE	U-33433		430473528800S1
SOUTHMAN CANYON SWD #3	15	10S	23E	NESE	UTU-38427		430471588000S1
WHITE RIVER 1-14	14	10S	23E	NENW	UTU38427	UTU38427	430473048100S1

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
UTU-38427

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
SOUTHMAN CANYON 3 SWD

9. API Well No.
4304715880

10. Field and Pool, or Exploratory Area
BONANZA

11. County or Parish, State
UINTAH COUNTY, UTAH

SUBMIT IN TRIPLICATE – Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
KERR-McGEE OIL & GAS ONSHORE LP

3a. Address
1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)
(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NE/SE SEC. 15, T10S, R23E 2180^S NL, 400'FWL

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal
			<input type="checkbox"/> Water Shut-Off
			<input type="checkbox"/> Well Integrity
			<input type="checkbox"/> Other _____

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

THE OPERATOR REQUESTS AUTHORIZATION TO PLUG AND ABANDON THE SUBJECT WELL LOCATION. THE SUBJECT WELL LOCATION WAS GOING TO BE CONVERTED INTO A SALT WATER DISPOSAL WELL THE OPERATOR HAS DECIDED TO PLUG AND ABANDON THE WELL LOCATION.

PLEASE REFER TO THE ATTACHED PLUG AND ABANDON PROCEDURE.

RECEIVED
SEP 17 2007

DIV. OF OIL, GAS & MINING

COPY SENT TO OPERATOR
Date: 9/29/07
Initials: [Signature]

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed) SHEILA UPCHEGO	Title SENIOR LAND ADMIN SPECIALIST
Signature 	Date September 13, 2007

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title Accepted by the Utah Division of Oil, Gas and Mining	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		
Office [Signature]		Federal Approval of This Action Is Necessary

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**Southman Canyon #3 SWD
2180' FNL & 400' FWL
NESE - Section 15 – T10S – R23E
Uintah County, UT**

KBE:	5613'	API NUMBER:	43-047-15880
GLE:	5594'	LEASE NUMBER:	UTU-38427
TD:	7418'	EPA PERMIT #:	UT2672-02531
PBTD:	6016'	WI:	100.00%
		NRI:	NA

CASING: 12.25" hole, 9.625", 36#, J-55 @ 207'.
Cement to surface.

8.75" hole, 7", 23#, J-55 & N-80 @ 6478'.
TOC @ 5800' by calculation.

7" hole (csg annulus), 5", 18#, P-110 liner, 6319-6832'

7" hole (csg annulus), 4.5", 10.5# J-55 @ 6063'.
TOC @ 2957' by calculation (pmp'd 300 sx)

CIBP @ 6200' with cement to ~6016'.

PERFORATIONS: Mesa Verde Formation

5880-5920	8 spf	Injection Zone TDS = 30870 mg/l
5982-6010	8 spf	MAIP = 2590 psi

6748-6822 Abandoned

TUBING: 3/5/2004 – Wireline set 4 1/2" X 7' A.S. 1 PKR W/ KROUSE PLUG @ BTM
PKR. SET PKR @ 5800', END OF PKR @ 5810'
ON-OFF TOOL & 2 3/8" J-55 YELLOW/BND TBG TO 5795'

TUBULAR PROPERTIES:

	DRIFT DIA. (in.)	COLLAP SE (psi)	BURST (psi)	CAPACITIES		
				Gal./ft.	Cuft/ft.	Bbl./ft.
9.625", 36#, J-55	8.765	2020	3520	3.2470	0.4340	0.0773
7", 23#, J-55 & N-80	6.241	3270		1.6535	0.2210	0.0393
5", 18#, P-110	4.151	13,450	13,940	0.7476	0.0997	0.0178
4.5" 10.5# J-55	3.927	4010	4790	0.6698	0.0895	0.01594
2 3/8" 4.7# J-55 tbg	1.901	8100	7700	0.1626	0.02173	0.00387
4 1/2" x 7" Ann				0.8274	0.1106	0.0197
2 3/8" X 4 1/2" Ann.				0.4397	0.0587	0.01046
7" csg X 9.625 Ann				1.2477	0.1668	0.0297
7" csg. X 8.75" hole				1.1243	0.1503	0.0268

SOUTHMAN CANYON #3 SWD P&A PROCEDURE

GENERAL

- H₂S MAY BE PRESENT. CHECK FOR H₂S AND TAKE APPROPRIATE PRECAUTIONS.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, YIELD 1.145 CUFT./SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESPONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME. WHEN SQUEEZING, INCLUDE 10% EXCESS PER 1000' OF DEPTH.
- BRINE WITH A MINIMUM DENSITY OF AT LEAST 10 PPG MUST BE PLACED BETWEEN ALL PLUGS. 10 PPG IS ASSUMED IN THIS PROCEDURE.
- NOTIFY THE EPA IN WRITING 45 DAYS PRIOR TO PLUG & ABANDONMENT OPERATIONS.

P&A PROCEDURE PER APPENDIX "E" OF EPA PERMIT – revised due to outdated plug placement requirements from other regulatory agencies.

1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
2. RELEASE PACKER (SET @ ~5812'). TOH WITH TUBING & PACKER ASSEMBLY. RU WIRELINE AND MAKE A GAUGE RING RUN TO ~6200'.
3. **PLUG #1, PERFORATIONS & MV TOP (TOP PERF @ 5880', MV TOP @ ~5835')**: RIH & SPOT CMT F/ TOC (~6016) - ~5735' USING ~22 SX (25.15 CUFT.) CLASS "G" CEMENT. DISPLACE WELL WITH 10 PPG BRINE.
4. **PLUG #2, WASATCH TOP (~3950')**: RIH, SET CIBP @ ~4050'. SPOT 200' (~16 SX, 17.9 CUFT.) CMT ON TOP OF PLUG. DISPLACE WELL WITH 10 PPG BRINE.
5. **PLUG #3, BASE OF USDW (~3000')**: RIH, SET CIBP @ ~3100'. SPOT 200' (~16 SX, 17.9 CUFT.) CMT ON TOP OF PLUG.
6. **PLUG #4, GREEN RIVER TOP (~960') & SURFACE**: RIH & PERFORATE 4 1/2" CSG & 7" CSG W/ 1 SPF @ ~1060. CIRCULATE SUFFICIENT VOLUME OF CEMENT DOWN 4 1/2" CSG TO FILL a) 4 1/2" CSG, b) 4 1/2" X 7" CSG ANNULUS AND c) 7" X 8 3/4" ANNULUS TO SURFACE. TOTAL VOLUME OF CEMENT NEEDED 374.85 CUFT, OR ~328 SX.
7. CUT OFF WELLHEAD AND INSTALL MARKER PER BLM/EPA GUIDELINES.
8. RDMO. TURN OVER TO OPERATIONS FOR SURFACE REHAB.

ALM – 10/27/2006
revised 8/28/2007
revised 9/11/2007

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
UTU-38427

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
SOUTHMAN CANYON 3 SWD

9. API Well No.
4304715880

10. Field and Pool, or Exploratory Area
BONANZA

11. County or Parish, State
UINTAH COUNTY, UTAH

SUBMIT IN TRIPLICATE – Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other **WD**

2. Name of Operator
KERR-McGEE OIL & GAS ONSHORE LP

3a. Address
1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)
(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NE/SE SEC. 15, T10S, R23E 2180'FNL, 400'FWL

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

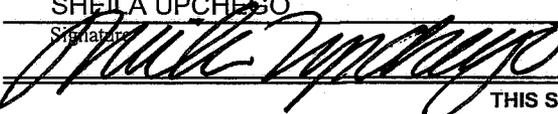
TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____	
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon		
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

THE SUBJECT WELL LOCATION WAS PLUG AND ABANDON ON 12/06/2007.

PLEASE REFER TO THE ATTACHED PLUG AND ABANDON DOWNHOLE DESCRIPTION.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed) SHEILA UPCHESO	Title SENIOR LAND ADMIN SPECIALIST
Signature 	Date December 12, 2007

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

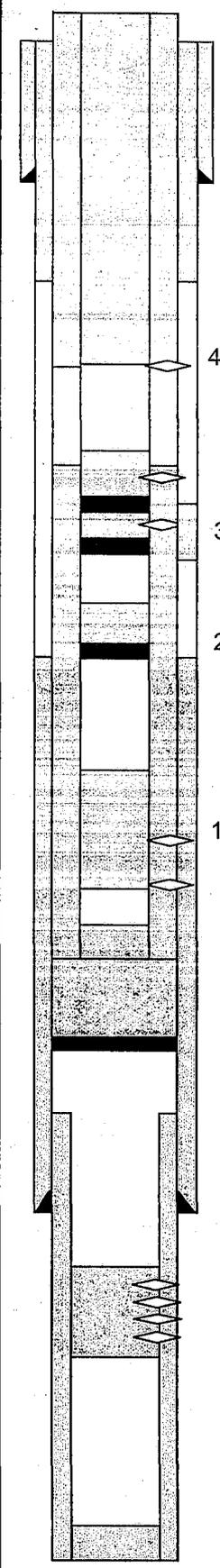
RECEIVED
DEC 14 2007
DIV. OF OIL, GAS & MINING

COMPANY: KERR MCGEE		SURFACE	CASING	LINER	CASING
WELL NAME: S. C. #3 SWD	SIZE:	9-5/8"	7"	5"	4-1/2"
FIELD: NATURAL BUTTES	WEIGHT:	36#	23#	18#	10.5#
COUNTY: UINTAH	GRADE:	J-55	J-55	P-110	J-55
STATE: UTAH	TOP	?	SURFACE	6319'	SURFACE
DATE: 12-6-07	DEPTH:	207'	6478'	6832'	6063

ITEM	DESCRIPTION	MAX. O.D.	MIN. I.D.	LENGTH
		INCHES	INCHES	FEET
	DID NOT FIND TOP OF 9-5/8" SURFACE AS DIGGING.			
	WELL WAS P&A IN 1966. RE-ENTERED IN 1985.			
PLUG #4	PERF AT 1060' W/ 4 SPF. CIRCULATE CMT DOWN 4-1/2" AND UP 4-1/2" X 7" ANNULUS UNTIL GOOD CMT TO SURFACE. PUMPED 222 SX (46 BBLs)			
PLUG #3	SET CIBP AT 3110'. PERF 4 SPF AT 3100' AND 2900'. SET CIBP AT 3070'. ABLE TO GET INJ RATE INTO BOTH PERFS BUT DID NOT COMMUNICATE. PUMP 28 SX CMT (5.7 BBLs) BELOW CIBP AND UNSTING SPOT 16 SX CMT (3.3 BBLs) ON TOP. TOC AT 2864'			
PLUG #2	SET CIBP AT 4064' AND SPOT 16 SX (3.3 BBLs) CMT ON TOP. TOC AT 3862'.			
PLUG #1	PLUG WAS PUMPED IN 2 STEPS. BULLHEAD 30 SX (6.1 BBLs) CMT DOWN TBG THRU PKR TO KILL WELL. (INJECTION PRESSURE AND RELEASED AND PULL PKR. TAG CMT AT 5882' SPOT 22 SX (4.5 BBLs) ON TOP. TOC AT 5597'.			
	INJECTION PERFS 5880' - 5920', AND 5982' - 6010'. PBTD 6016'.			
	7" CIBP AT 6200'			
	PROD PERFS PLUGGED IN 1966 W/ 20 SX CMT PROD PERFS: 6748' - 6822'			
	WELL WAS PLUGGED IN 1966. IN 1985 WELL WAS RE-ENTERED AND CONVERTED TO SWD. 4-1/2" CSG WAS RUN FOR DISPOSAL INTEGRITY. PERF WAS SHOT AT 840' IN 7" FOR P&A. SQUEEZED W/ 575 SX IN 1985. LEAK IN 7" AT 3604 SQUEEZED 75 SX IN 1985.			

PREPARED BY:
FRANK WINN
PREPARED FOR: _____ OFFICE: _____ FAX: _____

C. F. WINN WELL SERVICES, INC.



Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING	
1. DJJ	
2. CDW	

X Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

1/6/2006

FROM: (Old Operator): N2115-Westport Oil & Gas Co., LP 1368 South 1200 East Vernal, UT 84078 Phone: 1-(435) 781-7024	TO: (New Operator): N2995-Kerr-McGee Oil & Gas Onshore, LP 1368 South 1200 East Vernal, UT 84078 Phone: 1-(435) 781-7024
---	--

CA No.		Unit:						
WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 5/10/2006
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 5/10/2006
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 3/7/2006
- Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
- a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
- b. Inspections of LA PA state/fee well sites complete on: n/a 3 LA wells & all PA wells transferred
- c. Reports current for Production/Disposition & Sundries on: ok

- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 3/27/2006 BIA not yet
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: 3/27/2006
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 12/15/2006

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 12/15/2006
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 12/15/2006
- Bond information entered in RBDMS on: 12/15/2006
- Fee/State wells attached to bond in RBDMS on: 12/16/2006
- Injection Projects to new operator in RBDMS on: _____
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a Name Change Only

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: CO1203
- Indian well(s) covered by Bond Number: RLB0005239
- (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB0005236
- a. The **FORMER** operator has requested a release of liability from their bond on: n/a rider added KMG
The Division sent response by letter on: _____

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 5/16/2006

COMMENTS:

Westport Oil Gas Co LP (N2115) to Kerr-Mcgee Oil Gas Onshore, LP (N2995) sorted by Unit, Lease Type API

well_name	sec	twsp	rng	api	entity	lease	well	stat
WELLINGTON FED 44-6 SWD	06	140S	110E	4300730912	13919	Federal	WD	A
WELLINGTON FED 22-04 SWD	04	140S	110E	4300730967	14826	Federal	WD	A
SOUTHMAN CANYON U 3	15	100S	230E	4304715880	99990	Federal	WD	A
OURAY SWD 1	01	090S	210E	4304733449	13274	Fee	WD	A
				NATURAL BUTTES UNIT				
NBU 21-20B	20	090S	200E	4304730359	2900	Federal	WD	A
CIGE 9	36	090S	220E	4304730419	2900	State	WD	A
NBU 159	35	090S	210E	4304731996	2900	State	WD	A
NBU 47N2	30	100S	220E	4304730534	2900	Federal	WI	A
NBU 347	11	100S	220E	4304733709	2900	State	WI	A

STATE OF UTAH
 DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF OIL, GAS AND MINING

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number Several-See Attached		API Number
Location of Well		Field or Unit Name Natural Buttes
Footage :	County : Uintah	Lease Designation and Number
QQ, Section, Township, Range:	State : UTAH	

EFFECTIVE DATE OF TRANSFER: 1/6/2006

CURRENT OPERATOR

N2115

Company: <u>Westport Oil and Gas Company</u>	Name: <u>Carroll Estes</u>
Address: <u>1368 South 1200 East</u>	Signature: <u><i>Carroll Estes</i></u>
<u>city Vernal state UT zip 84078</u>	Title: <u>Principal Environmental Specialist</u>
Phone: <u>(435) 789-4433</u>	Date: <u>12/14/2006</u>
Comments:	

NEW OPERATOR

N2995

Company: <u>Kerr McGee Oil and Gas Company, LP</u>	Name: <u>Carroll Estes</u>
Address: <u>1368 South 1200 East</u>	Signature: <u><i>Carroll Este</i></u>
<u>city Vernal state UT zip 84078</u>	Title: <u>Staff Environmental Specialist</u>
Phone: <u>(435) 789-4433</u>	Date: <u>12/14/2006</u>
Comments:	

(This space for State use only)

Transfer approved by: *Don Jones*
 Title: *UIC Geologist*

Approval Date: *12/20/06*

Comments:

*Only applies to Wellington Fed 44-6
 and Wellington Fed 22-04.
 All other wells are in Indian country
 and need EPA approval*

(5/2000)

RECEIVED

DEC 15 2006

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
MULTIPLE LEASES
6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on reverse side

7. If Unit or CA/Agreement, Name and/or No.
8. Well Name and No.

MUTIPLE WELLS

9. API Well No.
10. Field and Pool, or Exploratory Area
11. County or Parish, State

UINTAH COUNTY, UTAH

1. Type of Well
 Oil Well Gas Well Other
2. Name of Operator
KERR-McGEE OIL & GAS ONSHORE LP
3a. Address
1368 SOUTH 1200 EAST VERNAL, UT 84078
3b. Phone No. (include area code)
(435) 781-7024
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEE ATTACHED

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize <input type="checkbox"/> Deepen <input type="checkbox"/> Production (Start/Resume) <input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Reclamation <input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair <input type="checkbox"/> New Construction <input type="checkbox"/> Recomplete <input checked="" type="checkbox"/> Other CHANGE OF OPERATOR
	<input type="checkbox"/> Change Plans <input type="checkbox"/> Plug and Abandon <input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection <input type="checkbox"/> Plug Back <input type="checkbox"/> Water Disposal

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

PLEASE BE ADVISED THAT KERR-McGEE OIL & GAS ONSHORE LP, IS CONSIDERED TO BE THE OPERATOR OF THE ATTACHED WELL LOCATIONS. EFFECTIVE JANUARY 6, 2006.
KERR-McGEE OIL & GAS ONSHORE LP, IS RESPONSIBLE UNDER TERMS AND CONDITIONS OF THE LEASE(S) FOR THE OPERATIONS CONDUCTED UPON LEASE LANDS. BOND COVERAGE IS PROVIDED BY STATE OF UTAH NATIONWIDE BOND NO. RLB0005237.

RECEIVED
MAY 10 2006

BLM BOND = C 01203
BIA BOND = RLB0005239

APPROVED 5116106
Earlene Russell

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed) **RANDY BAYNE** Title **DRILLING MANAGER**
Signature *Randy Bayne* Date **May 9, 2006**
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

THIS SPACE FOR FEDERAL OR STATE USE

Approved by _____ Title _____ Date _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Office _____

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.

MULTIPLE LEASES

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

SUBMIT IN TRIPLICATE – Other instructions on reverse side

1. Type of Well

Oil Well Gas Well Other

8. Well Name and No.

MUTIPLE WELLS

2. Name of Operator

WESTPORT OIL & GAS COMPANY L.P.

9. API Well No.

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

10. Field and Pool, or Exploratory Area

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEE ATTACHED

11. County or Parish, State

UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other CHANGE OF OPERATOR
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

EFFECTIVE JANUARY 6, 2006, WESTPORT OIL & GAS COMPANY L.P., HAS RELINQUISHED THE OPERATORSHIP OF THE ATTACHED WELL LOCATIONS TO KERR-McGEE OIL & GAS ONSHORE LP.

APPROVED 5/16/06
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

RECEIVED
MAY 10 2006

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

BRAD LANEY

Title

ENGINEERING SPECIALIST

Signature

Date

May 9, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Brad Laney

Title

Date

5-9-06

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Colorado State Office
2850 Youngfield Street
Lakewood, Colorado 80215-7076

IN REPLY REFER TO:

CO922 (MM)
3106
COC017387 et. al.

March 23, 2006

NOTICE

Kerr-McGee Oil & Gas Onshore L.P. :
1999 Broadway, Suite 3700 : Oil & Gas
Denver, CO 80202 :

Merger/Name Change - Recognized

On February 28, 2006 this office received acceptable evidence of the following mergers and name conversion:

Kerr-McGee Oil & Gas Onshore L.P., a Delaware Limited Partnership, and Kerr-McGee Oil & Gas Onshore LLC, a Delaware Limited Partnership merger with and into Westport Oil and Gas Company L.P., a Delaware Limited Partnership, and subsequent Westport Oil & Gas Company L.P. name conversion to Kerr-McGee Oil & Gas Onshore L.P.

For our purposes the merger and name conversion was effective January 4, 2006, the date the Secretary of State of Delaware authenticated the mergers and name conversion.

Kerr-McGee Oil & Gas Onshore L.P. provided a list of oil and gas leases held by the merging parties with the request that the Bureau of Land Management change all their lease records from the named entities to the new entity, Kerr-McGee Oil & Gas Onshore L.P. In response to this request each state is asked to retrieve their own list of leases in the names of these entities from the Bureau of Land Management's (BLM) automated LR2000 data base.

The oil and gas lease files identified on the list provided by Kerr-McGee Oil & Gas Onshore L.P. have been updated as to the merger and name conversion. We have not abstracted the lease files to determine if the entities affected by the acceptance of these documents holds an interest in the lease, nor have we attempt to identify leases where the entity is the operator on the ground that maintains vested record title or operating rights interests. If additional documentation, for change of operator, is required you will be contacted directly by the appropriate Field Office. The Mineral Management Services (MMS) and other applicable BLM offices were notified of the merger with a copy of this notice

Please contact this office if you identify additional leases where the merging party maintains an interest, under our jurisdiction, and we will document the case files with a copy of this notice. If the leases are under the jurisdiction of another State Office that information will be forwarded to them for their action.

Three riders accompanied the merger/name conversion documents which will add Kerr-McGee Oil and Gas Onshore LLC as a principal to the 3 Kerr-McGee bonds maintained by the Wyoming State Office. These riders will be forward to them for their acceptance.

The Nationwide Oil & Gas Continental Casualty Company Bond #158626364 (BLM Bond #CO1203), maintained by the Colorado State Office, will remain in full force and effect until an assumption rider is accepted by the Wyoming State Office that conditions their Nationwide Safeco bond to accept all outstanding liability on the oil and gas leases attached to the Colorado bond.

If you have questions about this action you may call me at 303.239.3768.

/s/Martha L. Maxwell
Martha L. Maxwell
Land Law Examiner
Fluid Minerals Adjudication

Attachment:

List of OG Leases to each of the following offices:

MMS MRM, MS 357B-1

WY, UT, NM/OK/TX, MT/ND, WY State Offices

CO Field Offices

Wyoming State Office

Rider #1 to Bond WY2357

Rider #2 to Bond WY1865

Rider #3 to Bond WY1127



United States Department of the Interior



BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, UT 84145-0155

<http://www.blm.gov>

IN REPLY REFER TO:

3106

(UT-922)

March 27, 2006

Memorandum

To: Vernal Field Office

From: Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the merger recognized by the Bureau of Land Management, Colorado State Office. We have updated our records to reflect the merger from Westport Oil and Gas Company L.P. into Kerr-McGee Onshore Oil and Gas Company. The merger was approved effective January 4, 2006.

Chief, Branch of
Fluid Minerals

Enclosure

Approval letter from BLM COSO (2 pp)

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114
Teresa Thompson
Joe Incardine
Connie Seare
Dave Mascarenas
Susan Bauman

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MAR 28 2006

DIV. OF OIL, GAS & MINING