

During Dec. 1961 this well was connected to a
gas line.

FILE NOTATIONS

Entered in NID File

Entered On S R Sheet

Location Map Pinned

Card Indexed

I W R for State or Fee Land

Checked by Chief

RLS

Copy NID to Field Office

In Unit

Approval Letter

Disapproval Letter

COMPLETION DATA:

Date Well Completed 6-24-61

Location Inspected

OW _____ WW _____ TA _____

Bond released
State of Fee Land

GW OS _____ PA _____

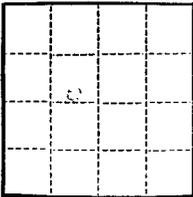
LOGS FILED

Driller's Log 7-7-61

Electric Logs (No. 1 2)

E _____ I _____ E-I GR _____ GR-N _____ Micro _____

Lat. _____ Mi-L _____ Sonic Others _____



(SUBMIT IN TRIPPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Utah
Lease No. U-0779
Unit Book House

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 ABANDON WELL.....			

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

April 10, 19 61

Well No. 4 is located 2587 ft. from N line and 1866 ft. from EA line of sec. 9
W

NW/4 9 11 S 23 E S.L.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

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

The elevation of the derrick floor above sea level is 5220 ft. (Ground)
5033

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)

Estimated Formation Tops:

Utah	Surface
Green River	1000'
Wasatch	3460'
Mesa Verde	5383'
Est. TD	6390'

Casing Program:

13 3/8" - 36' casing set @ 200'
Cement to circulate
5 1/2" - 14-15.5' casing set
thru all potential gas
producing zones.

To test potential gas sands in the Green River, Wasatch and Mesa Verde formations.

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

Company THE SHARROCK OIL & GAS CORPORATION

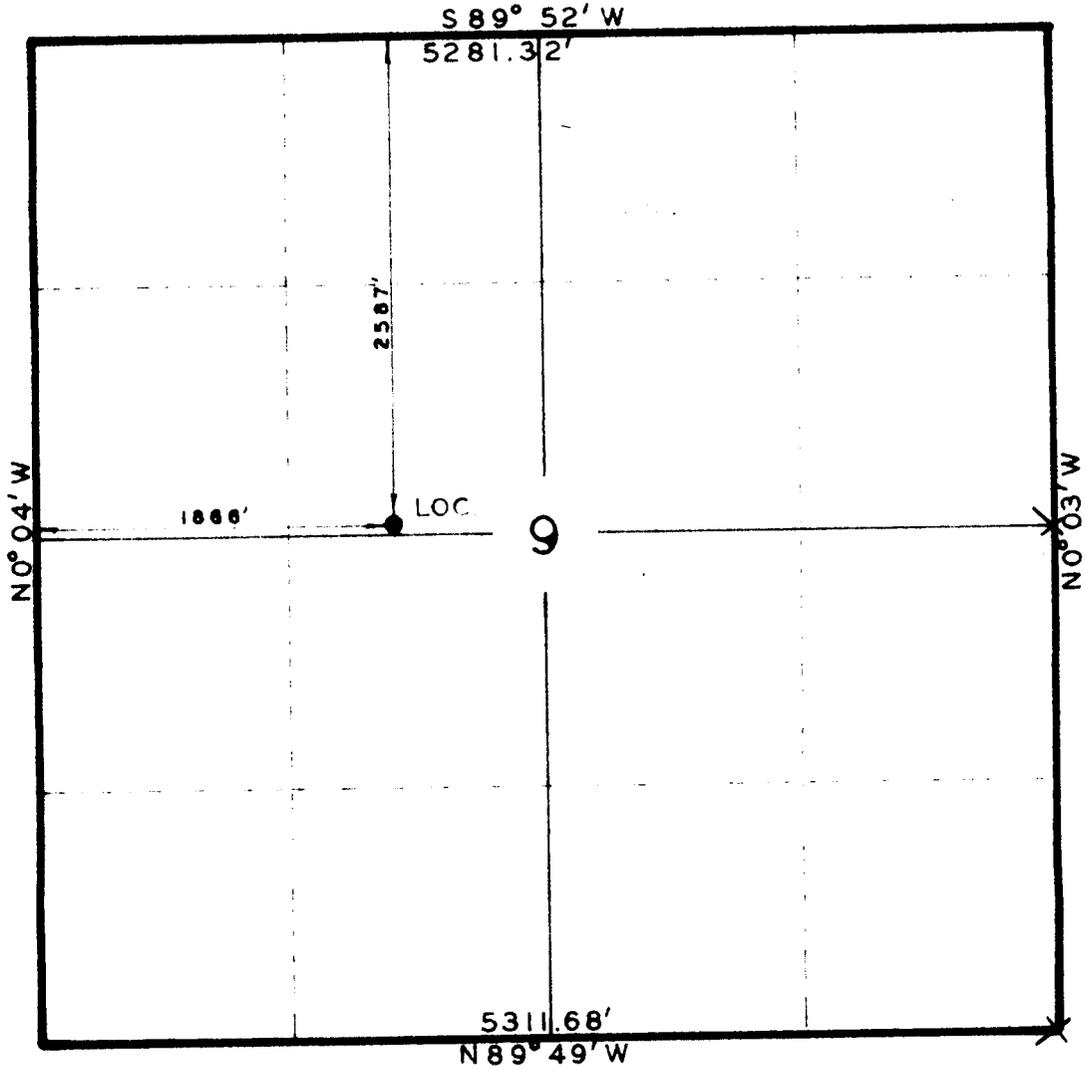
Address 1192 First Security Bank Bldg.

Salt Lake City, Utah

By [Signature]

Title Geologist

T11S, R23E, SLB&M



X-Corners found

Scale 1" = 1000'

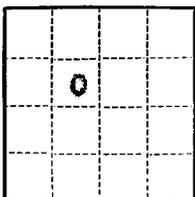
BY: ROSS CONSTRUCTION CO.
VERNAL, UTAH

Nelson J. Marshall

PARTY
R. D. ROSS
GENE STEWART
LANNY TAYLOR
WEATHER FAIR COLD

SURVEY
THE SHAMROCK OIL & GAS CORP.
ROCK HOUSE UNIT NO. 4 WELL, LOCATED AS SHOWN
IN THE SE 1/4 OF NW 1/4, SEC 9, T11S, R23E, SLB&M,
UINTAH COUNTY, UTAH.

DATE 3/29/61
REFERENCES
GLO PLAT
FILE SHAMROC



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Utah
Lease No. U-0779
Unit Rock House

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		Subsequent Report of Running Surface Casing	XX

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

April 21, 1961

Well No. 4 is located 2587 ft. from N 31 line and 1866 ft. from EW W line of sec. 9
NW/4 9 (1/4 Sec. and Sec. No.) 11 S 23 E (Twp.) S. L. M. (Meridian)
Utah (Field) Utah (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 5721 ft. (Ground)

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)

Ran 7 joints (214.68') of 13 3/8" OD 48# casing. Set casing at 227 feet. Cemented with 300 sacks permix with 2% calcium chloride and 75# of flo-seal. Cement circulated.

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

Company THE SHAMROCK OIL & GAS CORPORATION

Address 1192 First Security Bank Bldg.
Salt Lake City, Utah

By Ralph Hansen

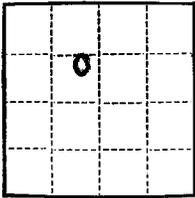
Title District Geologist

Utah

Land Office U-0779
Lease No. Rock House
Unit _____

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



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	XX		
Surface Casing			

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

April 21, 1961

Well No. 4 is located 2587 ft. from N line and 1866 ft. from E line of sec. 9
SW/4 9 11 S 23 E S. L. M.
 (1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Utah
 (Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5720 ft. (Ground)
~~5833~~

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)

Request permission to run the following surface casing:
 7 joints, 214.68 feet, of 1 3/8" OD 48# casing to be set at 227 feet.

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

Company THE SHAMROCK OIL & GAS CORPORATION
 Address 1192 First Security Bank Bldg.
Salt Lake City, Utah

By Ralph Thomas
 District Geologist

Title _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Utah
LEASE NUMBER _____
UNIT Rock House

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Uintah Field _____

The following is a correct report of operations and production (including drilling and producing wells) for the month of April, 1961.

Agent's address 1192 First Security Bank Bldg. Company The Shamrock Oil & Gas Corp.
Salt Lake City, Utah Signed Ralph Shuman

Phone DA 8-0165 Agent's title District Geologist

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)
Sec. 10 SE SE	11S	23E	1	(Lease No. U-0779)						Well shut in awaiting pipeline outlet.
Sec. 15 SE SE	11S	23E	2	(Lease No. U-0780)						Well was shut in and temporarily abandoned on January 25, 1961.
Sec. 11 NW SE	11S	23E	3	(Lease No. U-0778)						Well shut in March 30, 1961, waiting for completion. Well was opened and tested on the following days: 4-6-61: <u>Wasatch</u> - After 5 day shut in had 1575# on casing and tubing. gas tested 2,060 MCF per day. <u>Mesaverde</u> - Had 2200# on tubing. 4-13-61: <u>Wasatch</u> - Had 1550# on casing and tubing. Gas measured 2,250 MCF per day with spray of distillate. 4-27-61: <u>Wasatch</u> - Shut in pressure 1550#. 2 hour blow down gas gauged 2,530 MCF per day. waiting on potential test.
Sec. 9 SE NW	11S	23E	4	(Lease No. U-0779)						Spud 4-17-61 Set 13 3/8" casing at 227' with 300 sacks pozmix with 2% calcium chloride, 75# flo-seal. DST #1 - 3598-3626; Had leak in drill pipe when on bottom. Pulled out of hole. Went in hole with bit - conditioned mud. DST #1-A - 3598-3626; Had 10' of shale in hole. Slid packer 10'. Had weak blow immediately - died in 1 hour. By-passed tool in 30 minutes. Pulled out of hole. DST tools were plugged. Went in hole with bit. Circulated and conditioned mud. DST #1-B - 3598-3626, SI 30", Op. 2 1/2', SI 30". GTS in 2"; 30" gg 2,306 MCF, incr to 3,500 MCF in 2 1/2'. Rec 5' GCM w/show of distillate. FP 367-644, SIP 1708-1678, HH 1787-1772. (Continued - Next Pg)

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

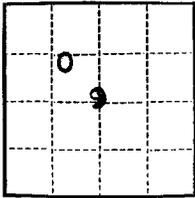
_____ runs or sales of gasoline during the month. (Write "no" where applicable.)

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.

Lessee's Monthly Report of Operations - April, 1961

Rock House Unit No. 4 Well - Cont'd

DST #2 - 3763-3777, SI 30", Op. 2 $\frac{1}{2}$ ', SI 35"; GTS in 4". 30" ~~85~~. 192 MCF increased to 366 MCF in 2 $\frac{1}{2}$ '. Rec 5' GCM with show of distillate. SIP 1706-1647#, FP 31-53, HH 1850-1819#.



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Utah
Lease No. U-0779
Unit Rock House

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.....			
Notice of intention to run casing XX			

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

May 17, 1961

Well No. 4 is located 2587 ft. from XX line and 1866 ft. from XX line of sec. 9
NW/4 9 11 S 23 E S.L.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Uintah Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is ⁵²²⁰~~5833~~ ft. (Ground)

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)

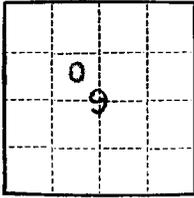
Request permission to run the following casing:

169 joints (5293.65 feet) of 7" 23# J-55 casing to be set at 5300 feet.

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

Company THE SHAMROCK OIL & GAS CORPORATION
 Address 1192 First Security Bank Building
Salt Lake City, Utah

By Ralph S. Horn
 Title District Geologist



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Utah
Lease No. U-0779
Unit Rock House

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.....
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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 Running Casing XX</u>

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

May 17, 1961

Well No. 4 is located 2587 ft. from N line and 1866 ft. from W line of sec. 9
NW/4 9 11 S 23 E S. L. M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Utah Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5220 ft. (Ground)
~~5233~~

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)

Ran 169 joints (5293.65 feet) of 7" 23# J-55 casing. Set at 5300 feet. Stabilizers at 5285, 5235, 4460, 4380, 4250, 3990, 3790, 3640 and 3580. Ran Baker guide shoe and flexi-flo float collar. Pumped 20 bbls. water with 2 sacks Tannex ahead of cement. Cemented with 550 sacks regular cement with 100# flo-seal added. Pumped plug to float at 5267 feet.

Will drill out from under 7" casing with 6 1/2" bit. Estimated total depth 6400'.

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

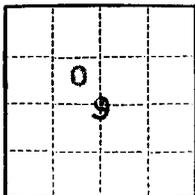
Company THE SHAMROCK OIL & GAS CORPORATION

Address 1192 First Security Bank Building

Salt Lake City, Utah

By [Signature]

Title District Geologist



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Utah
Lease No. U-0779
Unit Rock House

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.....
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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 running casing XX</u>

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

May 17, 1961

Well No. 4 is located 2587 ft. from N line and 1866 ft. from W line of sec. 9
MN/4 9 11 S 23 E S. L. M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Utah Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5720 ft. (Ground)

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)

Ran 169 joints (5293.65 feet) of 7" 23# J-55 casing. Set at 5300 feet. Stabilizers at 5285, 5235, 4460, 4380, 4250, 3990, 3790, 3640 and 3580. Ran Baker guide shoe and flexi-flo float collar. Pumped 20 bbls. water with 2 sacks Tannex ahead of cement. Cemented with 550 sacks regular cement with 100# flo-seal added. Pumped plug to float at 5267 feet.

Will drill out from under 7" casing with 6 1/2" bit. Estimated total depth 6400'.

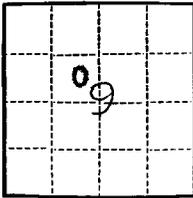
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company THE SHAMROCK OIL & GAS CORPORATION

Address 1192 First Security Bank Building

Salt Lake City, Utah

By Ralph J. [Signature]
Title District Geologist



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Utah
Lease No. U-0779
Unit Rock House

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	Subsequent report of running liner XX

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

May 3, 1961

Well No. 4 is located 2587 ft. from N line and 1866 ft. from EX line of sec. 9
SE/4 NW/4 9 11 S 23 E S.L.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Utah Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5220 ft. 6

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)

Ran 34 joints (1030.96') of 4 1/2" J-55, 11.60# liner. Ran Burne lead seal circulating liner hanger which was 5'. Total of 1035.96'. Ran Baker float shoe and collar. Ran centralizers at 5424, 5610, 5670, 6148, 6210, 6290. Bottom of liner set at 6292'. Top of liner at 5256'. Cemented with 160 sacks of common cement with HR₄ retarding agent added. Pumped plug to float collar at 6260'.

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

Company THE SHAMROCK OIL & GAS CORPORATION

Address 1192 First Security Bank Building

Salt Lake City, Utah

By Ralph D. Hanna

Title District Geologist

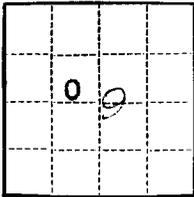
(SUBMIT IN TRIPLICATE)

Land Office Utah

Lease No. U-0779

Unit Rock House

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



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>Notice of intention to run liner XX</u>	

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

..... May 31, 1961

Well No. 4 is located 2587 ft. from 1/2 line and 1866 ft. from EX line of sec. 9

SE 1/4 NW 1/4 9 (1/4 Sec. and Sec. No.) 11 S (Twp.) 23 E (Range) S. L. M. (Meridian)
..... Utah (County) Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 5720 ft. (Ground)

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)

Request permission to run 1035.96' of 4 1/2" J-55, 11.60# liner to be set at 6292' and cemented with approximately 160 sacks of common cement.

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

Company THE SHAMROCK OIL & GAS CORPORATION

Address 1192 First Security Bank Bldg.

Salt Lake City, Utah

By Ralph G. Hanna

Title District Geologist

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-2344.
Approval expires 12-31-60.

LAND OFFICE Utah
LEASE NUMBER _____
UNIT Rock House

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Uintah Field _____

The following is a correct report of operations and production (including drilling and producing wells) for the month of May, 19 61

Agent's address 1192 First Security Bank Bldg. Company The Shamrock Oil & Gas Corp.
Salt Lake City, Utah

Phone DA 8-0165 Signed Ralph Thomas
Agent's title District Geologist

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)
Sec. 10 SESE	11S	23E	1							(Lease No. U-0779) - Well shut in awaiting pipeline outlet.
Sec. 15 SE SE	11S	23E	2							(Lease No. U-0780) - Well was shut in and temporarily abandoned on January 25, 1961.
Sec. 11 NW SE	11S	23E	3							(Lease No. U-0778) - Well 5-24-61 <u>Wastah</u> : Shut in pressure 1525#. On 2-hour blow down gas tested 2,740 M.C.F. per day. 5-18-61 <u>Wastah</u> : Had shut in pressure of 1525# on caging. At end of 2-hour blow down gas measured 2,740 M.C.F. per day. Shut well in. <u>Completion Report</u> <u>Wastah</u> : AOP 2.760 million cubic feet of gas per day. SITP & SIEP 1550#. Date completed March 27, 1961. Production Zone: 4096-4598. <u>Wastah</u> : AOP 1.420 million cubic feet of gas per day. SITP 2350#. Date completed March 27, 1961. Production Zone: 5612-5892.
Sec. 9 SE NW	11S	23E	4							(Lease No. U-0779) - DST #3 - 3957-7, SI 30", op. 1 3/4', SI 30". GFS 2'; 30" EG. 420 MCF; 1 hour EG. 450 MCF; 1 1/2 hours EG. 470 MCF; 1 3/4 hours EG. 470 MCF. Res 1' OOM. SIP 1825-1825; FP 38-38; HH 2004-2004. DST #4 - 4164-75. On bottom for initial shut in at 4:30 A.M. Opened the drill pipe at 5:00 A.M. Gas to surface in 35"; 1 hr. EG. 13 MCF; 1 1/2 hrs EG. 20 MCF; 2 hrs. EG. 23 MCF. res 10' gas-out test; 30" ISIP 1850, FP 47-62, 30" FSIP 1834, HH 2151-2115. DST #5: 4,295-4,325. On bottom at 10:05 P.M. Open to drill pipe at 10:35 P.M. Had gas to surface immediately; measured 4,070 MCF in 15 minutes; 4,450 MCF in 30 minutes; 4,640 MCF in 60 minutes and 4,640 MCF in 75 minutes.

NOTE.—There were _____ runs or sales of oil; _____ 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.

Lessee's Monthly Report of Operations - May, 1961

Rock House Unit No. 4 Well - Cont'd

Tool open 1½ hrs. Rec. 2' distillate. Initial closed in pressure 2006# in 30 minutes. Flowing pressure 510-1053#. Shut in bottom hole pressure 1953# in 30 minutes. HH 2162#.

DST #6 - 4330-42, SI 30 minutes, open 60 minutes, PSI 30 minutes. Gas to surface immediately. 30" ss. 883 MCF; 45" ss. 883 MCF; 60" ss. 883 MCF. Rec 5' distillate. FP 116-160#, SIP 1971-1928#, HH 2162-2159.

DST #7 - 4424-4444, 30" ISI, tool open 60", PSI 30". Gas to surface immediately. Heavy spray of distillate to surface in 7". 15" ss. 5,210 MCF; 30" ss. 5,900 MCF; 45" ss. 6,900 MCF; 60" ss. 6,900 MCF. Rec 5' distillate. FP 1222-1272, SIP 2153-2096, HH 2178-2131.

DST #8 - 4991-5005, SI 30 minutes, open 1 hour, SI 30 minutes. Gas to surface in 28 minutes; 1 hour ss. 4 MCF. Rec 150' gas-cut mud; 30 minutes SIP 1959-1162, FP 47-78, HH 2629.

Ran Schlumberger logs. Schlumberger total depth 5302'.
Ran 7" casing at 5900'. Cemented with 550 sacks regular cement.
Ran temperature survey - top of cement at 2900'.
Reduced hole to 6½" and drilled ahead.

DST #9 - 5628-51, SI 30", Open 80", SI 30"; OTS 10"; 30" ss. 55 MCF, 1 hrs ss. 49 MCF; 1 hr. 20" ss. 49 MCF. Rec 190' OGM; SIP 2500-2220, FP 46-92, HH 2719-2656.

DST #10 - 6160-6209. On bottom for initial shut in at 5:10 A.M. Opened tool to drill pipe at 5:40 A.M. Gas to surface in 2". 15" ss. 15 MCF; 30" ss. 17 MCF; 1 hr. ss. 17 MCF. Tool open 1 hr, SI 30". Rec 100' gas-cut mud, FP 62878, SIP 2006-1475, HH 3291-3197.

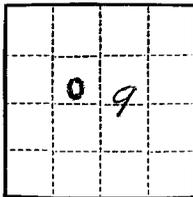
DST #11 - 6228-71, on bottom for initial shut in at 5:40 P.M. Opened tool to drill pipe at 6:10 P.M. Gas to surface in 30 min. ss. 2 MCF in 1 hr; ss. 3 MCF in 1½ hrs. Tool open 1½ hrs, SI 30 minutes. Rec 90' gas-cut mud, FP 53-56, SIP 829-471, HHP 3170-3093.

DST #12 - 6286-6304, packer failed.

DST #12-A - 6289-6304, on bottom for initial shut in at 1:10 A.M. Opened tool to drill pipe at 1:40 A.M. Gas to surface in 5 min. 30 min. ss. 3 MCF; 1 hour ss. 4 MCF. Tool open 70 min, SI 30 min. Rec 9' gas-cut mud; ISIP 1926#, PSIP failed; FP 30-76, HH 3095-3088.

Total Depth - 6304
Ran 4½" liner. Bottom of liner set at 6292. Top of liner at 5256. Cemented with 160 sacks of common cement.
Laid down 3½" drill pipe.
Waiting on cement.

4



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Utah
Lease No. U-0779
Unit Rock House

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.....	Subsequent report of perforating & testing (Mesaverde Formation)	XX

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

June 7, 1961

Well No. 4 is located 2597 ft. from N line and 1266 ft. from W line of sec. 9
SE/4 NW/4 9 11 S 23 E S.L.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5700 ft. (Ground)

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)

Perf. w/2 shots per ft. from 6060-68'. Ran Baker full bore cementer on 2 7/8" tubing. Displaced mud w/diesel and set packer at 5316'. Treated w/40 bbls. diesel pre-flush, 9,000 gal. gelled diesel, 7,000# 20-40 sand, 20 gal. pre-flow, 500# Mark 2 adonite. Formation broke at 4600#. Treated at 5100# at 11 bbls. per min. Screened out w/30 bbls. flush in tubing. Flowed 100 bbls. of load in 3 hrs & died. Swabbed to 5100' - making 6 bbls. all wtr out diesel per hr with a show of gas - gas gauge 19 MCF.

Perf. w/2 jets per ft. from 5633-5648. Ran Baker retrievable bridging plug & set at 5690'. Set Baker full bore cementer at 5316'. Treated perfs. w/40 bbls. pre-flush diesel & 10,000 gal. gelled diesel, 500# Mark 2 adonite, 20 gal. pre-flow, 7000# 20-40 sand. Flushed w/50 bbls. diesel. Formation broke at 3400#. Treated at 10 bbls. per min. Opened well. Flowed back 103 bbls. diesel in 2 hrs. & died. Started swabbing. Swabbed to 2000' & well kicked off. Gas gauged 100 MCF.

Request permission to plug back & complete in the Wasatch formation as the above zones in the Mesaverde are deemed non-commercial.

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

Company THE SHARROCK OIL & GAS CORPORATION

Address 1192 First Security Bank Bldg.

Salt Lake City, Utah

By Ralph Thomas

Title District Geologist

Company The ~~Shamrock~~ Amrock Oil and Gas Corporation

Lease Name Rock House Unit Well No. 4

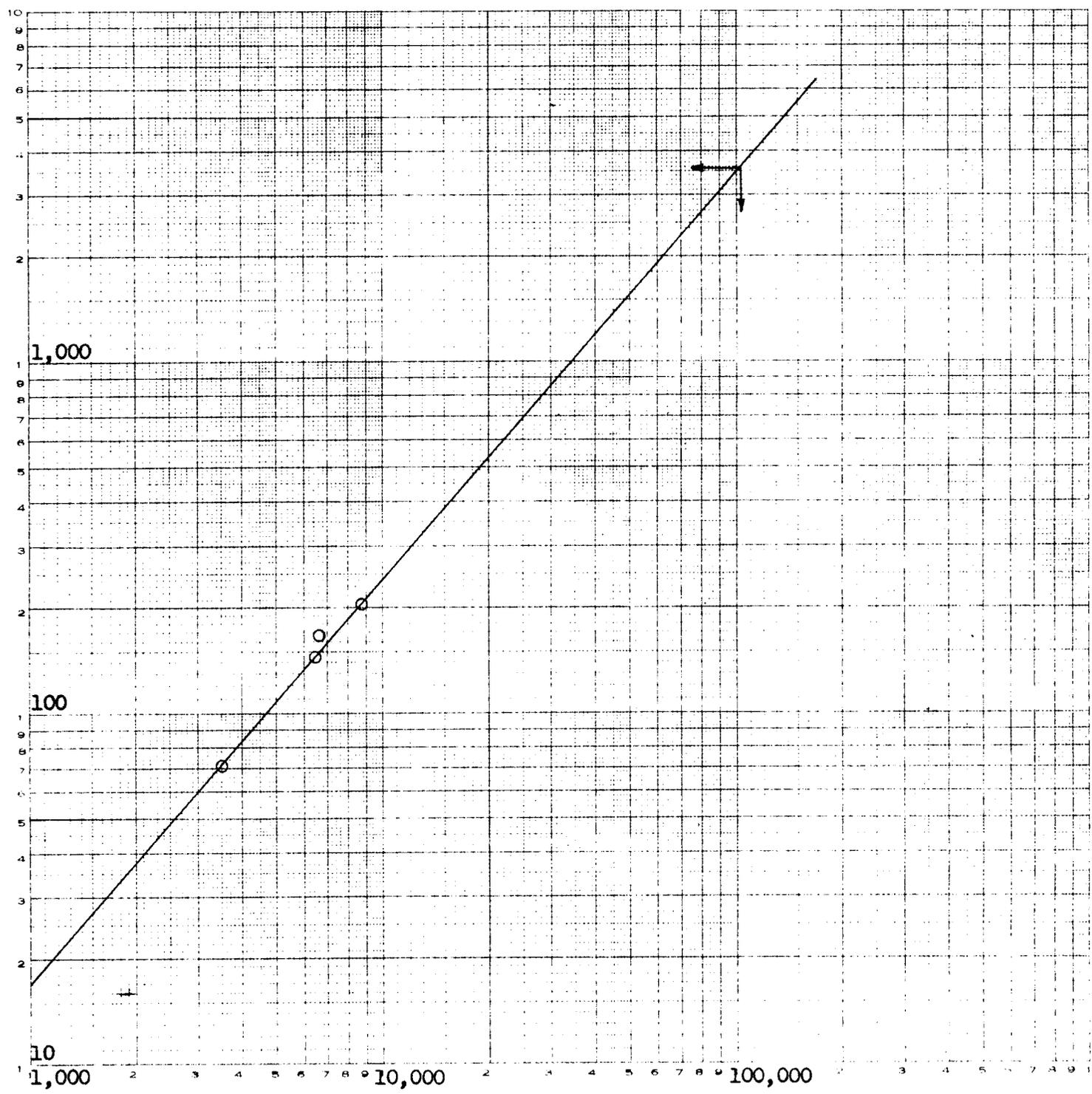
Date June 24, 1961

Angle of Curve 49.5° Slope of Curve n .854

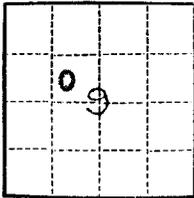
Absolute Open Flow 103,000 MCF/Day

GAS WELL BACK PRESSURE CURVE

THOUSANDS OF PSI
← — P_f — P_s — →
NO. 340 L33 DIETRICH GRAPH PAPER
LOGARITHMIC
3 CYCLES X 3 CYCLES



← — Q in MCF per DAY — →



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Utah
Lease No. U-0779
Unit Rock House

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.....	
Notice of intention to perf. & test <u>XX</u>	

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

June 7, 1961

Well No. 4 is located 2587 ft. from (N) line and 1866 ft. from (E) line of sec. 9
SE/4 NW/4 9 11 S 23 E S.L.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Utah Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5720 ft. (Ground)
5833

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)

Request permission to attempt a dual completion from the Mesaverde and Wasatch formations.

Mesaverde - perforations 6060-88, 5632-48

If the above zones prove to be commercial, a Baker Model D production packer will be set at approximately 5250'.

Wasatch - Perforations 4425-43, 4330-38, 4297-4322,
3961-69, 3762-71, 3597-3618

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

Company THE SHA-BROCK OIL & GAS CORPORATION

Address 1192 First Security Bank Building

Salt Lake City, Utah

By Ralph K. Horn

Title District Geologist

New Well..... X
 Workover..... X
 Re-Test.....
 Reclassified.....
 Oil to Gas.....

**RAILROAD COMMISSION OF TEXAS
 OIL AND GAS DIVISION**

**Form GWT-1
 Back Pressure Test
 for Gas Wells
 (Rev. 9-28-53)**

RRC Dist. Field Reservoir..... Wasatch County..... Uintah, Utah
 Operator..... Shamrock Oil & Gas Corp. Lease..... Rock House Unit Well No. 4
 Field Office Address..... P. O. Box 631, Amarillo, Texas
 Date of Test..... 6-24-61 Acres..... 640 Pipe Line Conn..... None Survey Twp. 11S. Rge. 23 E
 Gravity (Raw Gas)..... 66 Avg. Shut-In Temp..... Bottom Hole Temp..... 128° F @ 4500
 Size CSG..... 7" Wt./Ft..... Lbs. I. D. CSG..... Set at..... 5300 (4 1/2" I @ 5256-6292)
 Size TBG..... 2 7/8" Wt./Ft..... Lbs. I. D. TBG..... Set at..... 3595
 Prod. Section From..... 3597 - 4443 Avg. Prod. Length. (L)..... 4020
 Elevation..... 5833 G.L. Date of Completion..... 6-24-61 Producing through Tubing..... X through Casing.....
 Angle of Slope, $\theta =$; $n =$.854

FIELD DATA Tubing Casing

Run No.	Time of Run Min.	Choke Size	Coefficient	Choke Press PSIA	Choke Temp. °F	Wellhead Press P _w PSIA	Wellhead Flow Press P _w PSIA	P _w ² (Thousands)
Shut-In	22 1/2 hr.					1660.9	1618.9	
1	60					1549.9	1655.9	
2	60					1541.9	1626.9	
3	60					1513.9	1612.9	
4	60					1481.9	1604.9	
5								

PROVER

VOLUME CALCULATIONS

Run No.	SIZE INCH	Size Orifice	Meter Coeff. 24 Hrs.	Static P _m	Diff. h _w	Flow Temp. °F	Temp. Factor F _t	Gravity Factor F _g	Compress Factor F _c	Volume MCF/Day
1	2"	1 3/8	44.8600	78.9		22	1.0387	.9535	1.011	3.544
2	2"	1 3/8	44.8600	144.9		38	1.0218	.9535	1.016	6.434
3	2"	1 3/8	44.8600	151.3		46	1.0137	.9535	1.016	6.665
4	2"	1 3/8	44.8600	198.9		52	1.0078	.9535	1.021	8.755
5										

Gas Liquid Hydrocarbon Ratio..... * MCF per Bbl.

PRESSURE CALCULATIONS

Gravity of Liquid Hydrocarbons..... Deg.

Gas produced into pipe line during

test MCF.

* 170,000

$$(D_{eff})^{5/8} = \dots \sqrt{\frac{T}{F}}$$

$$C = \frac{1118 \times (D_{eff})^{5/8}}{\sqrt{T}}$$

$$\sqrt{GL} = \sqrt{\dots}$$

$$G_{mix} =$$

$$\frac{GL}{C} = \dots$$

BOTTOM HOLE PRESSURE BOMB

Run No.	R	R ² (Thousands)	A	R _w /A	F	K	S = 1/2	E ^{KS} PSIG	P ₁ PSIA	P ₂ a	P ₁ ² - P ₂ ²
Shut-In								1873	1884.9	3553	
1								1854	1865.9	3482	71
2								1835	1846.9	3411	142
3								1828	1839.9	3385	168
4								1818	1829.9	3349	204
5											

OPEN FLOW TEST:

Shut-In Press	Psig
Time Shut-In	Hrs.
Producing Through	
In. H ₂ O	In. Hg. Psig.
Time Reading	Time Reading
15	25
20	30

Absolute Open Flow..... 103,000 MCF/Day

Conn:

Conn:

Co: *Janey Dean Neff*

Other:

Signature

(See Reverse Side)

*If Field is unnamed or name has not been accepted by the Commission's Austin Office give the name of the nearest town and the distance and direction the well is located from that town.

.....Miles in a Direction from.....

REMARKS:

AFFIDAVIT

STATE OF TEXAS

COUNTY OF Potter }
.....

BEFORE me, the undersigned authority, on this day personally appeared.....
Jay Dean Meeks....., known to me to be the person whose name is subscribed to this instru-
ment, who, after being by me duly sworn on oath, states that he is employed by or associated with.....
The Shamrock Oil and Gas Corporation.....in the capacity of..... Junior Engineer.....;
that these tests were made by affiant or under the supervision of affiant; that the test data and factual data
shown hereon are true and correct; and that no pertinent matter inquired about in said report has been
omitted.

.....
Jay Dean Meeks
.....

Subscribed and Sworn to before me on this the 5th day of July, 19 61.

.....
Mary K. Chesnie
.....
Notary Public in and for Potter
County, Texas

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

LAND OFFICE _____

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Uintah Field _____

The following is a correct report of operations and production (including drilling and producing wells) for the month of June, 1961

Agent's address 1192 First Security Building Company The Shamrock Oil and Gas Corp.
Salt Lake City, Utah Signed R. E. Johnson
 District Geologist

Phone DA 8-0165 Agent's title _____

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED THIS REPORT	BARRELS OF OIL FILED IN LIEU OF FORM 0006	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)
Sec. 10 SE SE	11 S	23E	1		(Lease No. U-0779) - Well shut in awaiting pipeline outlet.					
Sec. 15 SE SE	11 S	23E	2		(Lease No. U-0780) - Well was shut in and temporarily abandoned on January 25, 1961.					
Sec. 11 NW SE	11 S	23E	3		(Lease No. U-0778) - Well shut in awaiting pipeline outlet.					
Sec. 9 SE NW	11 S	23E	4		(Lease No. U-0779) - Ran temp. survey & correlation logs by McCullough. TD 6259'. Perf w/56 shots 6060-6088. Set pkr. @ 5316'. Frac. w/40 bbls. diesel pre-flush; 9000# jelled diesel, 700# 20-40 sand, 20 gal. free flow, 500# Mark II admite @ rate of 11 BPM, 1/2" to 1" gal. concentration, @ treating pressure 5100#. Sand screened out w/30 bbls. flush in tbg. Flow 100 BD 3 hrs died. Subg. 6 bbls. slightly water cut diesel per hour w/she of gas. gg. 19 MCF. Displaced diesel w/Invermul mud. Perf w/30 standard csg. jets from 5633-5648. Set Baker retrievable BP @ 5690. Set Baker full bore cementer @ 5613 after displacing mud w/diesel. Frac w/40 bbls. pre-flush diesel, 10,000 gal. jelled diesel, 500# Mark II admite, 20 gal. free-flow, 7000# 20-40 sd, @ rate of 10 BPM. Formation broke @ 3400#. Flow back 103 bbls. diesel - 2" and died. Subd. to 2000' and wall kicked off. gg. 100 MCF. Killed well w/Invermul mud. Removed BP from well. Perf. w/2-1/2" bullets per foot from 4425-4443; 4330-4388, 4297-4322; 3961-3969; 3762-3771; and 3597-3618. Set BP @ 4510. Set 2 7/8" OD Class "B" tubing @ 3595. Installed National tbg. head and tree. Displaced Invermul mud w/diesel and let well flow. gg. 8,980 MCF thru open tubing w/400# CP and 375# TP. Broke formation down w/300 bbls. diesel and 200 nylon ball sealers. Pumped into formation @ 2300# @ injection rate of 33 BPM. Injected 200 ball sealers over 5" period; pressure increased to 3500# w/injection rate of 15 BPM. Flowed back and dropped ball sealers, from perf. Frac all perf. from 3597' to 4443' w/17,000 jelled diesel,					

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.

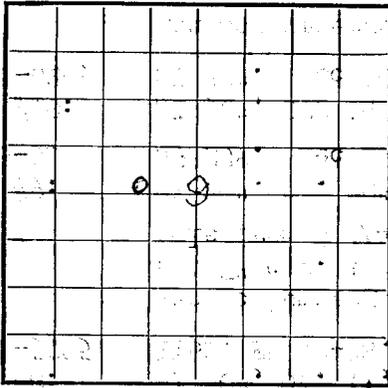
Monthly Report of Operations - June, 1961

Rock House Unit No. 4 Well - Cont'd

1250# Mark II admite, 6500# 20-40 sand @ treating pressure of 2400# w/injection rate of 30.5 BPM. Flushed w/200 bbls. diesel. Immediate SIP 1900#, SIP 425# - 3 hrs; SIP 575# - 12 hrs. At 4:00 P.M. SITP 1675#, SIIP 1600#. Opened well on 3/8" choke.

<u>Time</u>	<u>Choke Size</u>	<u>Tubing Pressure</u>	<u>Casing Pressure</u>	<u>Gas Volume</u>
4:30 PM	3/8"	1875#	1600#	4.380 M
5:00 PM	3/8"	1625#	1600#	4.380 M
5:30 PM	1/2"	1520#	1585#	10.600 M
6:00 PM	1/2"	1500#	1575#	9.800 M
7:00 PM	1/2"	1500#	1575#	9.800 M
8:00 PM	3/4"	1125#	1500#	18.480 M
8:30 PM	3/4"	1125#	1500#	18.480 M

Shut in @ 8:30 P.M. Recovered 40 bbls. of diesel while flowing well. Waiting on bottom hole back pressure flow test to be calculated.



Utah
 U. S. LAND OFFICE **U-0779**
 SERIAL NUMBER **Rock House Unit**
 LEASE OR PERMIT TO PROSPECT

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company The Shamrock Oil and Gas Corp. Address 1192 First Security Building.
 Lessor or Tract Rock House Unit Field Rock House State Utah
 Well No. 4 Sec. 9 T. 13S R. 23E Meridian Salt Lake County Uintah
 Location 2587 ft. ^{NG} of N Line and 1366 ft. ^{EW} of W Line of Section 9 Elevation 5720 ^{Gr.}
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed Ralph Thomas

Date July 6, 1961 Title District Geologist

The summary on this page is for the condition of the well at above date.

Commenced drilling April 17, 1961 Finished drilling May 29, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from <u>3597</u>	to	3618 (G)	No. 4, from	4297	to	4322 (G)
No. 2, from <u>3762</u>	to	3771 (G)	No. 5, from	4330	to	4338 (G)
No. 3, from <u>3961</u>	to	3969 (G)	No. 6, from	4425	to	4443 (G)

IMPORTANT WATER SANDS

No. 1, from <u>2704</u>	to	2719	No. 3, from	5233	to	5270
No. 2, from <u>5173</u>	to	5195	No. 4, from		to	

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From-	To-	
13 3/8"	48#		-	227					
7"	23#		J-55	5300'	Baker		3597	4443	Production Gas
4 1/2" liner	11.60#		J-55	1036'	Baker		5633	5648	"
			(From 5226-5292)				6060	6088	"

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8"	@ 227'	300			
7"	@ 5300'	550			
4 1/2" liner	@ 6292'	160			

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

SHOOTING RECORD

FOLD MARK

FOLD MARK

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8"	@ 227'	300			
7"	@ 5300'	550			
4 1/2" liner	@ 6292'	160			

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
 Adapter—Material _____

SHOOTING RECORD

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

TOOLS USED

Rotary tools were used from 0 feet to 630' TD feet, and from — feet to — feet
 Cable tools were used from — feet to — feet, and from — feet to — feet

DATES

_____, 19____ Shot in waiting on pipeline June 24, 1961
 Put to producing

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

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	660'	660'	Samples were 100% cement
660'	1205'	545'	Dolomitic shale
1205'	1330'	125'	Shale
1330'	1930'	600'	Dolomitic shale
1930'	2060'	130'	Limestone
2060'	2150'	90'	Sand & shale
2150'	2370'	220'	Shale & dolomitic shale
2370'	2480'	110'	Sand
2480'	2530'	50'	Shale
2530'	2600'	70'	Sand
2600'	2985'	385'	Sand & shale
2985'	3210'	225'	Sand, shale & limestone
3210'	3350'	140'	Shale & limestone
3350'	4550'	1200'	Sand & shale
4550'	4800'	250'	Sand, shale & limestone
4800'	6304'	1504'	Sand & shale

*5/12 log tops
 T9v 314
 TW 3286
 KMV 5289*

(OVER)

16-43094-4

LOCALIZATION RECORD

JUL 7 1961

SIT 1644
SIT 1649

Completed June 24, 1961

HISTORY OF OIL OR GAS WELL

16-48094-2 U. S. GOVERNMENT PRINTING OFFICE

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or balling.

Spudded: 4-17-61

DST #1: Had leak in drill pipe when on bottom. Pulled out of hole. Went in hole with 3598-3626 bit - conditioned mud.

DST #1A: Had 10' of shale in hole. Slipped pkr. 10'. Had wk blo immed. - died in 1'. 3598-3626 DST tools plugged. Circulated & conditioned mud. Mud weight 9.2#, viscosity 52, wtr loss 3.3 cc's, 2/32 filter cake.

DST #1B: SI 30"; Op. 2 1/4'; SI 30". GTS in 2"; 30" gg. 2,306 MCF; 1' gg. 3,310 MCF; 2' 3598-3626 gg. 3,500 MCF; 2 1/4' gg. 3,500 MCF. Rec 5' GCM w/sho of distillate. FP 367-644, SIP 1708-1678, HH 1787-1772.

DST #2: SI 30", op. 2 1/2', SI 35"; GTS in 4". 30" gg. 192 MCF; 1' gg. 256 MCF; 1 1/2' 3763-3777 gg. 313 MCF; 2' gg. 360 MCF; 2 1/2' gg. 366 MCF. Rec 5' GCM w/sho of distillate. 30" SIP 1706#, 35" FSIP 1647#, FP 31-53, HH 1850-1819#

DST #3: 3957-71, SI 30", op. 1 3/4', SI 30". GTS 2"; 30" gg. 420 MCF; 1' gg. 450 3957-71 MCF; 1 1/2' gg. 470 MCF, 1 3/4' gg. 470-MCF. Rec 1' GCM, SIP 1825-1825; FP 38-38; HH 2004-2004#.

DST #4: SI 30", GTS 35"; 1' gg. 13 MCF; 1 1/2' gg. 20 MCF; 2' gg. 23 MCF. Rec. 10' 4164-75 GCM; 30" ISIP 1850, FP 47-62, 30" FSIP 1834, HH 2131-2115#.

DST #5: Op. to drill 10:35 P.M. GTS immed; 4,070 MCF in 15"; 4,450 MCF in 30"; 4,640 4295-4325 MCF in 60" and 4,640 MCF in 75". Tool op. 1 1/4". Rec. 2' distillate. ISIP 2006# in 30"; FP 510-1053#, HH 2162#.

DST #6: SI 30", op. 60", FSI 30". GTS immed. 30" gg. 883 MCF; 45" gg. 883 MCF; 60" gg. 4330-42 883 MCF. Rec. 5' distillate. FP 116-160#, SIP 1971-1928#, HH 2162-2159.

DST #7: 30" ISI, tool op. 60", FSI 30". GTS immed. Heavy spray of distillate to surface 4424-4444 in 7". 15" gg. 5,210 MCF; 30" gg. 5,900 MCF; 45" gg. 6,900 MCF; 60" gg. 6,900 MCF. Rec 5' distillate. FP 1222-1272#, SIP 2153-2096#, HH 2178-2131#.

DST #8: SI 30"; Op. 1'; SI 30". GTS in 28"; 1' gg. 4 MCF. Rec 150' GCM; 30" SIP 1959- 4991-5005 1162, FP 47-78, HH 2629#.

Ran Schlumberger at 5300'.
Ran 7" csg. @ 5300'; ran temperature survey; top of cement @ 2900'; reduced hole from 8 3/4" to 6 1/4".

DST #9: SI 30", Op. 80", SI 30"; GTS 10"; 30" gg. 55 MCF, 1' gg. 49 MCF; 1' 20" gg. 5628-51 49 MCF. Rec 190' GCM; SIP 2500-2220#, FP 46-92#, HH 2719-2656#.

DST #10: SI 30", GTS in 2". 15" gg. 15 MCF; 30" gg. 17 MCF; 1' gg. 17 MCF. Tool op. 1' 6160-6209 SI 30". Rec 100' GCM; FP 62-78#, SIP 2006-1475#, HH 3291-3197#.

Ran Schlumberger At 6271'.

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
DST #11: 6228-71	Tool op. 1 1/2", SI 30", GTS 30".	eg. 2 MCF in 1'; eg. 3 MCF in 1 1/2'. rec. 90'	GCM, FP 53-56, SIP 829-471, HHP 3190-3093.
		Drilled to total depth 6304'.	
DST #12: 6286-6304			Blocker failed.
DST #12A: 6289-6304	Tool SI 30", Tool op. 70", Rec. 9' GCM; ISIP 1926#, FSIP failed; FP 30-76#, FH 3095-3088#.		
	<p>Ran temp. survey and correlation logs by McCullough. TD 6259'. Perf w/56 shots 6060-6088. Set pkr. @ 5316'. Frac. w/40 bbls. diesel pre-flush; 9000# gelled diesel, 700# 20-40 sand, 20 gal. free-flow, 500# Mark II adomite @ rate of 11 BPM, 1/2" to 1 1/2" gal. concentration, @ treating pressure 5100#. Sand screened out w/30 bbls. flush in tbg. Flo 100 BD. 3' died. Swbg. 6bbls. slightly water cut diesel per hour w/sho of gas. eg. 19 MCF. Displaced Diesel w/Invernal mud. Perf. w/30 standard org. jets from 5633-5648. Set Baker retrievable BP @ 5690. Set Baker full bore cementer @ 5613 after displacing mud w/diesel. Frac w/40 bbls. pre-flush diesel, 10,000 gal. gelled diesel, 500# Mark II adomite, 20 gal. free-flow, 7000# 20-40 sd., @ rate of 10 BPM. Formation broke @ 3400#. Flow back 103 bbls. diesel and died. Swbg. to 2000' and well kicked off. eg. 100 MCF. Killed well w/Invernal mud. Removed BP from well. Perf. w/2-1/2" bullets per foot from 4295-4443; 4230-4238; 4297-4322; 3981-3989; 3982-3971; and 3597-3613. Set BP @ 4510. Set 2 7/8" DD class "B" tbg. @ 3595. Installed National tbg. head and tree. Displaced Invernal mud w/diesel and let well flo. eg. 2,780 MCF thru open tbg. w/ 400# GP and 375# TR. Formation down w/300 bbls. diesel and 200 nylon ball sealers. Pumped into formation @ 2500# @ injection rate of 33 BPM. Injected 200 ball sealers over 5" period; pressure increased to 3300# w/injection rate of 15BPM. Flowed back and dropped ball sealers, from perf. from all perf. from 3597' to 4443' w/17,000 gelled diesel, 1250# Mark II adomite, 6500# 20-40 sand @ treating pressure of 2400# w/ injection rate of 30.5 BPM. Flushed w/200 bbls. diesel. Immediate SIP 1200#, SIP 1250 - 3'; SIP 375# - 10'. 5:40 P.M. STW 1675#, SICP 1600#. Opened well on 3/8" choke.</p>		

Time	Stroke Size	Flowing Pressure	Gas Pressure	Gas Volume
4:30 PM	3/8"	1575#	1600#	4.380 M
5:00 PM	3/8"	1625#	1500#	4.380 M
5:30 PM	1/2"	1520#	1500#	10.600 M
6:00 PM	1/2"	1500#	1575#	9.800 M
7:00 PM	1/2"	1500#	1575#	9.800 M
8:00 PM	3/4"	1125#	1500#	18.430 M
8:30 PM	3/4"	1125#	1500#	18.430 M

Shut in @ 8:30 P.M. Recovered 40 bbls. of diesel while flowing well.

2 A.O.E (4 Point B.H. Test)
 10,300,000 cu ft gas per day
 BH&I 1875
 STCC 1449
 SIT 1449

Completed June 24, 1961



355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut
84180-1203. ©(801-538-5340)

MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

RECEIVED

JUN 05 1987

DIVISION OF
OIL, GAS & MINING

• DIAMOND SHAMROCK EXPL.
2001 ROSS AVE #1500
DALLAS TX 75201
ATTN: PAT COTE

Utah Account No. NO340
Report Period (Month/Year) 4 / 87
Amended Report

Well Name	Producing Zone	Days Oper	Production Volume		
API Number Entity Location			Oil (BBL)	Gas (MSCF)	Water (BBL)
X ROCKHOUSE UNIT #1 4304715809 02025 11S 23E 10	WSTC	-0-	-0-	-0-	-0-
X ROCKHOUSE UNIT #3 4304715810 02025 11S 23E 11	MVRD	-0-	-0-	-0-	-0-
X ROCKHOUSE UNIT #3 4304715810 02025 11S 23E 11	WSTC	-0-	-0-	-0-	-0-
X ROCKHOUSE UNIT #4 4304715811 02025 11S 23E 9	WSTC	1	-0-	387	-0-
X ROCKHOUSE UNIT #5A 4304715812 02025 11S 23E 13	WSTC	-0-	-0-	-0-	-0-
X ROCKHOUSE UNIT #8 4304715815 02025 11S 23E 23	WSTC	-0-	-0-	-0-	-0-
X ALLEN FEDERAL 34-5 4301330721 02041 09S 17E 5	GRRV	30	105	763	-0-
X PAIUTE FEDERAL 43-8 4301330777 02042 09S 17E 8	GRRV	30	235	805	-0-
X CASTLE PEAK FEDERAL 43-5 4301330858 02043 09S 16E 5	DGCRK	30	195	600	-0-
X ALLEN FEDERAL 44-5 4301330913 02044 09S 17E 5	GRRV	30	601	2341	-0-
X PARIETTE BENCH FEDERAL #32-6 4304731554 09885 09S 19E 6	GRRV	30	236	689	60
X PARIETTE BENCH FED #43-6 4304731616 10280 09S 19E 6	GRRV	30	208	660	-0-
TOTAL			1580	6245	60

Comments (attach separate sheet if necessary) _____

I have reviewed this report and certify the information to be accurate and complete. Date 6-2-87
 _____ Telephone (214) 979-2822
 Authorized signature

Maxus Energy Corpora
LTV Center
2001 Ross Avenue
Dallas, Texas 75201
214 979-2800

RECEIVED
JUN 05 1987

060810

DIVISION OF
OIL, GAS & MINING

June 2, 1987

MAXUS

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

Dear Mr. Stout,

Regarding your request for information concerning the change of name of our company from Diamond Shamrock Exploration, to Maxus Exploration Company:

1. New replacement bond is being taken care of by Sherry Neally (214) 953-2858, and will be mailed to you shortly by Judy Tate (806) 378-3876.
2. Contact names will remain the same - Kaleb Leake (307) 266-1882, Maxus Exploration Company, P.O. Box 2530, Mills, WY 82644, for drilling and permitting; Pat Cote (214) 979-2822, at the letterhead address, for production and disposition reporting.
3. I am enclosing a copy of our most recent production report. This is a complete list of all wells to be affected by the name change.
4. The name change is effective 4-28-87. All name change notices are being handled by Dick Smith in our Legal Department (214) 953-2979. He assures us that the notices will be sent out in a few days.
5. There are no changes in the division of interest on any of the attached wells, therefore all entity numbers will remain the same.

Thank you for your patience in this matter, and please contact me if there is any other information needed.

Sincerely,

Pat Cote

Pat Cote
Production Clerk, Oil Revenue
Maxus Exploration
(214) 979-2822

COMPANY: MAXUS EXPLORATION CO

UT ACCOUNT # _____

SUSPENSE DATE: 6-10-87

(FORMERLY DIAMOND SHAMROCK EXPLORATION CO)

TELEPHONE CONTACT DOCUMENTATION

CONTACT NAME: PAT COTE (PAT PRONOUNCES HER NAME "COTEE")

CONTACT TELEPHONE NO.: (214) 777-2822

SUBJECT: OPERATOR CHANGE - DIAMOND SHAMROCK EXPLORATION CO TO MAXUS EXPL CO

(Use attachments if necessary)

RESULTS: PAT SAID SHE WOULD PROVIDE: LTR OF EXPLANATION FOR 1) EFFECTIVE DATE, 2) BONDING, 3) ENTITY REVIEW, 4) WELLS IN QUESTION, 5) ADDRESS & TEL FOR BOTH DRILLING AND PRODUCTION CONTACT PEOPLE,

SHE WILL USE ~~GOVT~~ A SUPPLEMENTED COPY OF TAD TO IDENTIFY ALL WELLS, INCLUDING DRILLING AND INJECTION

(Use attachments if necessary)

CONTACTED BY: [Signature]

DATE: 6-2-87

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-0779

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.)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

ROCKHOUSE

8. FARM OR LEASE NAME

ROCKHOUSE

9. WELL NO.

#4

10. FIELD AND POOL, OR WILDCAT

WASATCH

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

SEC. 9, T11S, R23E

12. COUNTY OR PARISH 13. STATE

UTAH

UTAH

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
MAXUS EXPLORATION COMPANY

3. ADDRESS OF OPERATOR
P. O. BOX 1669, VERNAL, UTAH 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any special requirements. See also space 17 below.)
At surface

2587' FNL & 1866' FWL

RECEIVED
MAY 04 1980

DIVISION
OIL, GAS & MINERAL

14. PERMIT NO.
43-047-15811

15. ELEVATIONS (Show whether DF, ST, OR, etc.)

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANE

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Renewed sales

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(Note: Report results of multiple completion on Well Completion or Reconpletion 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.)

MAXUS EXPLORATION COMPANY wishes to inform the BLM that the Rockhouse Unit #4 is on line and producing into Questar's Pipeline.

The last production from this well was in July, 1987.

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

SIGNED

JIM HENDRICKS

TITLE

PRODUCTION ENGINEER

DATE

5-1-89

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

IRREVOCABLE STANDBY LETTER OF CREDIT 10384

MAY 12, 1989

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
3 TRIAD CENTER #350
355 W. N. TEMPLE
SALT LAKE CITY, UTAH 84180-1203

GENTLEMEN:

WE HEREBY ESTABLISH OUR IRREVOCABLE STANDBY LETTER OF CREDIT IN FAVOR OF THE DIRECTOR OF THE DIVISION OF OIL, GAS AND MINING OF THE STATE OF UTAH FOR THE ACCOUNT OF MCKENZIE PETROLEUM COMPANY, 5847 SAN FELIPE ROAD, SUITE 4300, HOUSTON, TEXAS 77057 FOR THE AGGREGATE AMOUNT OF U S DOLLARS EIGHTY THOUSAND AND NO/100) (\$80,000.00) AVAILABLE BY YOUR DRAFTS AT SIGHT ON THE DEPOSIT INSURANCE BRIDGE BANK, N.A. WHEN DRAWN IN ACCORDANCE WITH THE TERMS AND ACCOMPANIED BY THE DOCUMENTS LISTED UNDER PART C BELOW:

A. THIS LETTER OF CREDIT IS ISSUED BECAUSE THE OPERATOR IS OR WILL BE ENGAGED IN DRILLING, REDRILLING, DEEPENING, REPAIRING, OPERATING AND PLUGGING AND ABANDONMENT A WELL OR WELLS AND RESTORING THE WELL SITE OR SITES IN THE STATE OF UTAH FOR THE PURPOSES OF OIL OR GAS PRODUCTION AND/OR THE INJECTION AND DISPOSAL OF FLUIDS IN CONNECTION THEREWITH FOR THE FOLLOWING DESCRIBED LAND OR WELL:

----- BLANKET BOND: TO COVER ALL WELLS DRILLED IN THE STATE OF UTAH:

----- INDIVIDUAL BOND: WELL NO.-----
SECTION-----TOWNSHIP-----RANGE-----
-----COUNTY, UTAH

B. THIS LETTER OF CREDIT IS SPECIALLY ISSUED AT THE REQUEST OF THE OPERATOR AS GUARANTY THAT THIS FUND WILL BE AVAILABLE DURING THE TIME THAT THE WELLS REFERENCED ABOVE ARE ACTIVE. WE ARE NOT A PARTY TO NOR BOUND BY, THE TERMS OF ANY AGREEMENT BETWEEN YOU AND THE OPERATOR OUT OF WHICH THIS LETTER OF CREDIT MAY ARISE.

C. DRAFTS DRAWN UNDER THIS LETTER OF CREDIT MUST BE ACCOMPANIED BY AN AFFIDAVIT FROM THE DIRECTOR OF THE DIVISION OF OIL, GAS AND MINING STATING THAT:

1. ANY WELL SUBJECT TO THE LETTER OF CREDIT IS DEEMED NECESSARY FOR PLUGGING AND ABANDONMENT AND THE OPERATOR HAS NOT FULFILLED SUCH OBLIGATION UNDER THE OIL AND GAS CONSERVATION GENERAL RULES OF THE STATE OF UTAH.
2. THE DRAFT IS IN THE ESTIMATED COST OF PLUGGING EACH WELL SUBJECT TO THE LETTER OF CREDIT UP TO THE AGGREGATE AMOUNT OF THE LETTER OF CREDIT.

WE WILL BE ENTITLED TO RELY UPON THE STATEMENTS CONTAINED IN THE AFFIDAVIT AND WILL HAVE NO OBLIGATION TO INDEPENDENTLY VERIFY ANY STATEMENTS CONTAINED THEREIN.

DATE: 05/18/90

F E E L E A S E S B Y O P E R A T O R

PAGE: 17

ACCT NUM	COMPANY NAME	WELL NAME	TOWN SHIP	RANGE	SEC	Q-Q	STATUS	API NUMBER	PROD ZONE
N9523	LINMAR PETROLEUM COM	ELLSWORTH #2-9B4	S020	W040	9	NESW	POW	4301331138	WSTC
		CHRISTENSEN #3-4B4	S020	W040	4	SWSE	POW	4301331142	WSTC
		CHASEL-HACKFORD 2-10-A1E	S010	E010	10	SESE	POW	4304731421	GR-WS
		CHASEL-HACKFORD #2-10A1E	S010	E010	10	SESE	TA	4304731421	WSTC
		MOON 1-23Z1	N010	W010	23	NESW	POW	4304731479	WSTC
N0580	LOMAX EXPLORATION CO	NEIGHBORHOOD HOUSE #6-6	S050	W040	6	SENW	PA	4301330981	
		LITTAUER FOUNDATION #1	S050	E020	4	NWSW	LA	4304731382	
N0590	LUFF EXPLORATION COM	MCCONKIE COMM FEE #1	S060	E210	27	NWSE	PA	4304720282	UNTA
		MCCONKIE #2	S070	E210	5	NENW	PA	4304730071	
N0600	MAPCO OIL & GAS COMP	DENNIE RALPHS #1-5	S010	W030	5	SWNE	PA	4301330165	GRRV
		DENNIE RALPHS #1-5	S010	W030	5	SWNE	PA	4301330165	WSTC
		DENNIE RALPHS #1-6	S010	W030	6	SWNE	PA	4301330166	WSTC
		FISHER #1-12	S010	W040	12	NWNE	PA	4301330279	WSTC
		FISHER #1-12	S010	W040	12	NWNE	PA	4301330279	GRRV
N6950	MAPP EXPLORATION	FROST #1-18	S340	E250	18	SENE	PA	4303730761	
		REDD #2-18	S340	E250	18	NESE	PA	4303730771	
		MAPP 1-17	S340	E250	17	NWNW	PA	4303730773	
N9675	MASTER PET & DEVEL C	VANOVER FEE #2	S210	E230	24	SENE	SGW	4301931105	MRSN
		FRAZIER 15-1	S210	E230	15	SWNE	SOW	4301931189	MR-SW
		FRAZIER #15-2	S210	E230	15	SWNE	LA	4301931198	
PO294	MAYO-UTAH OIL CO	MAYO-UTAH OIL CO #1	S040	E210	22	SWNW	PA	4304720386	
N0090	MCKENZIE PETROLEUM C	THOMAS HALL FEE 1	S050	E220	23	SESW	POW	4304715591	WEBR
		THOMAS HALL FEE 2	S050	E220	23	SESW	POW	4304715592	WEBR
		THOMAS E. HALL #3	S050	E220	23	SESE	POW	4304715593	WEBR
		THOMAS E. HALL #4	S050	E220	23	SESE	POW	4304715594	WEBR
		THOMAS E. HALL #5S	S050	E220	23	SESW	POW	4304715595	ENRD
N2450	MEZO, J.D.	J.D. STATE #1	S210	E230	25	NWNE	LA	4301930245	
		VANOVER #2	S210	E230	24	SWNW	PA	4301930247	
		J.D.M. VANOVER #3	S210	E240	19	SWNW	PA	4301930400	
PO629	MICH-WISC PIPELINE C	WEBER COAL COMPANY 13-3	N020	E050	3	NWSW	PA	4304330024	
PO547	MIDWAY PETROLEUM CO	FEE #3	S410	W120	13	NWSW	PA	4305310326	
N2590	MILAGRO ENERGY RESOU	MILLER CREEK CHERITTA #2	S150	E100	22	NENW	LA	4300730064	
		CHIARETTA #3	S150	E100	22	NENE	PA	4300730077	FRSD
PO584	MILLER & TAYLOR	FEE #3	S410	W120	23	NWNE	PA	4305310730	
PO116	MINTON, JOSEPH A	SNOW-FEE #1	S190	E080	9	SENE	PA	4301510731	
		WILBERG-FEE #1	S180	E080	12	SENW	PA	4301510732	
		WILBERG FEE #1-X	S180	E080	12	SENW	PA	4301510733	
PO295	MIRACLE & WOOSTER DR	L D S #1	S040	E210	36	SESW	PA	4304710734	
N3790	MOBIL OIL CORPORATIO	GREGORY ET AL FEE #1	N030	E160	21	SWSW	PA	4304310743	
PO020	MOHAWK PETROLEUM CO	FEE #1	S410	W120	23	NWNW	PA	4305320474	
N0660	MONCRIEF OIL	ROWLEY #2-1	S040	W060	2	SENW	PA	4301330467	WSTC
		PENDER #8-1	S040	W060	8	NENE	PA	4301330471	WSTC
PO601	MONTGOMERY & JEFFRIE	FEE #1	S430	W120	0		PA	4305320518	
PO400	MOORE, JOHN W	HANSON FEE #1	S210	E230	24	SENE	PA	4301920287	
		VANOVER FEE #1	S210	E230	24	SENE	PA	4301930012	
N0680	MOUNTAIN FUEL SUPPLY	SUNNYSIDE UNIT #1	S150	E130	17	NWSE	PA	4300730012	
		HUNTINGTON CANYON FEE #1	S170	E080	8	SENE	PA	4301530002	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-0779

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug wells. Use "APPLICATION FOR PERMIT..." for such proposals.)

RECEIVED
AUG 09 1989

7. UNIT AGREEMENT NAME

ROCKHOUSE

8. FARM OR LEASE NAME

ROCKHOUSE

9. WELL NO.

#4

10. FIELD AND POOL, OR WILDCAT

WASATCH

11. SEC., T., R., M., OR BLK. AND
SUBVY OR AREA

SEC. 9, T11S, R23E

12. COUNTY OR PARISH

UTAH

13. STATE

UTAH

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
MAXUS EXPLORATION COMPANY

3. ADDRESS OF OPERATOR
P. O. BOX 1669, VERNAL, UTAH 84078

DIVISION OF
OIL, GAS & MINING

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

2587' FNL & 1866' FWL

14. PERMIT NO.
43-047-15811

15. ELEVATIONS (Show whether DF, BT, GR, etc.)

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)

(Other) NTL2B

X

(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.)*

MAXUS EXPLORATION COMPANY respectfully requests permission to dispose of produced water into an unlined pit under NTL-2B, Section IV, Exception #4.

1. Daily quantity of produced water does not exceed 5 bbl/day. Water produced is from the Wasatch formation.
2. See the attached site security diagram. The size of the pit is approximately 30 x 20 x 6 feet deep.
3. Evaporation rate for the area, compensated for annual rainfall, is 50 in./year.
4. Estimated percolation rate for the area is 5 bbl/day.
5. Depth and areal extent of usable water containing less than 10,000 ppm TDS is unknown.

Accepted by the State
of Utah Division of
Oil, Gas and Mining

Date: 8/29/89

By: [Signature]

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

SIGNED Russ Ivie

TITLE District Superintendent

DATE 7-28-89

(This space for Federal or State office use)

APPROVED BY

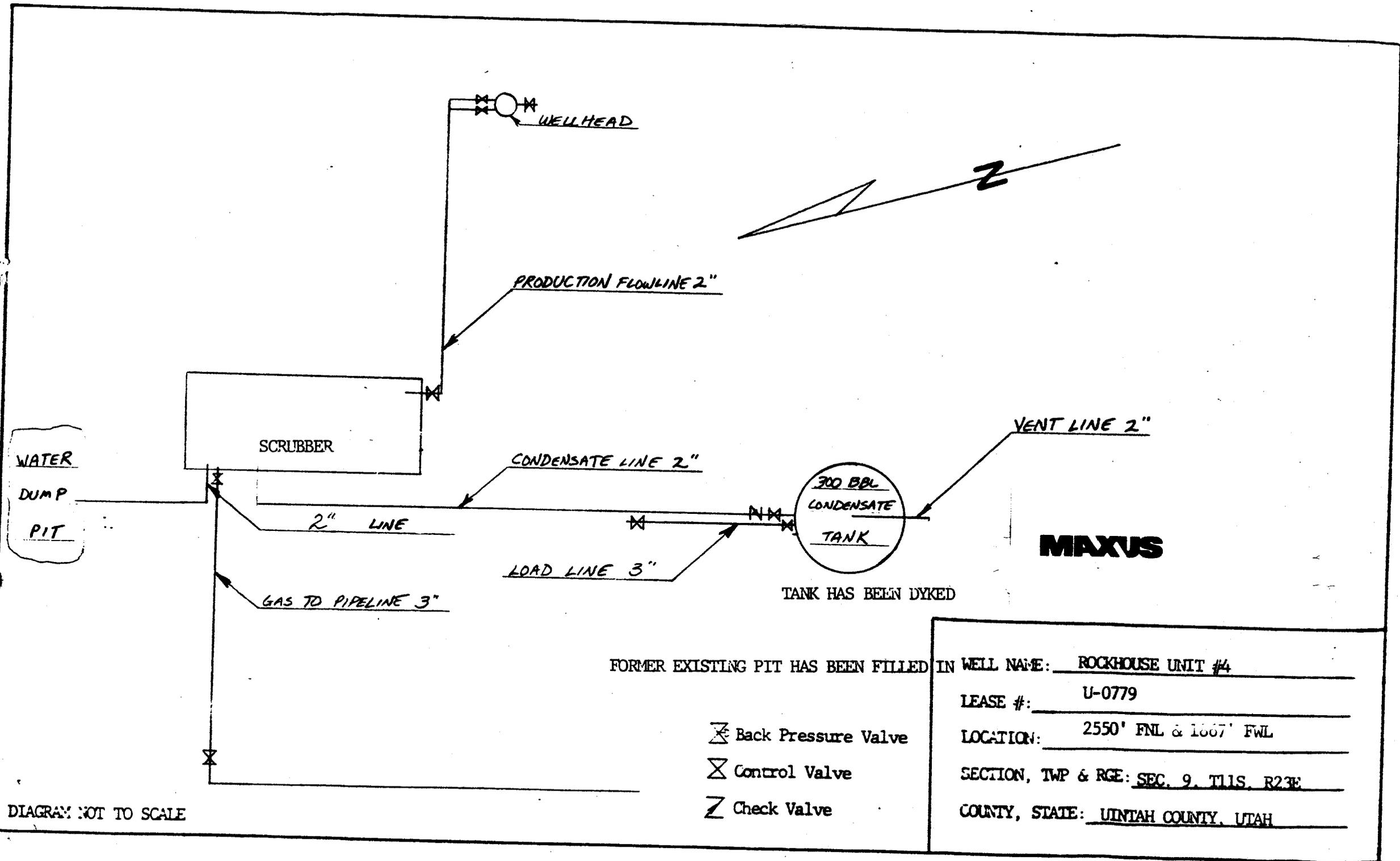
TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Federal Approval of this
Action is Necessary

*See Instructions on Reverse Side



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 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.)

RECEIVED
OCT 10 1989

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		UNIT AGREEMENT NAME SEE ATTACHMENT
2. NAME OF OPERATOR MAXUS EXPLORATION COMPANY		FARM OR LEASE NAME SEE ATTACHMENT
3. ADDRESS OF OPERATOR P. O. BOX 1669, VERNAL, UTAH 84078		9. WELL NO. SEE ATTACHMENT
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface SEE ATTACHMENT		10. FIELD AND POOL, OR WILDCAT SEE ATTACHMENT
14. PERMIT NO. SEE ATTACHMENT		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEE ATTACHMENT
15. ELEVATIONS (Show whether DF, RT, OR, etc.) SEE ATTACHMENT		12. COUNTY OR PARISH UINIAH
		13. STATE 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"/>	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"/>	
(Other) <input checked="" type="checkbox"/> SELL WELLS	<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.)*

MAXUS EXPLORATION COMPANY respectfully wishes to inform the BIM of our recent sale of the Rainbow Unit #1, #2A, #4, and the Rockhouse Unit #1, #3, #4, #4-14, #5A and #8 to McKenzie Petroleum. The effective date of this sale was September 1, 1989.

OIL AND GAS	
ORN	RJF
JRB	GLH
DTS	SLS
1-TAS	
2-DISBTS	
3-	MICROFIL ✓
4-	FILE

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

SIGNED Rodney Brewer TITLE ENGINEER DATE 10-5-89
RODNEY BREWER
(This space for Federal or State office use)

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

*See Instructions on Reverse Side

WELL NAME & NUMBER	LEASE & FORMATION	LOCATION	ELEVATION	API NUMBER
RAINBOW UNIT #1	U-017403 WASATCH	2310' FSL & 2410' FWL Sec. 8, T11S, R24E	5258' GR	43-047-15805
RAINBOW UNIT #2-A	U-017664 MESA VERDE	2238' FSL & 2000' FWL Sec. 19, T11S, R24E	5447' GR	43-047-15806
RAINBOW UNIT #4	U-017664A	1628' FSL & 1868' FWL Sec. 1, T11S, R23E	5567' GR	43-047-15807
ROCKHOUSE UNIT #1	U-0779 WASATCH	995' FSL & 721' FEL Sec. 10, T11S, R23E	5849' GR	43-047-15809
ROCKHOUSE UNIT #3	U-0778 MESA VERDE	1653' FSL & 1286' FWL Sec. 11, T11S, R23E	5988' GR	43-047-15810
ROCKHOUSE #4	U-0779 WASATCH	2587' FNL & 1866' FWL Sec. 9, T11S, R23E	5833' GR	43-047-15811
ROCKHOUSE #44-14	U-0799 WASATCH	522' FSL & 522' FEL Sec. 14, T11S, R23E	5773' GR	43-047-31806
ROCKHOUSE UNIT #5A	U-0799 WASATCH	380' FEL & 1972' FEL Sec. 13, T11S, R23E	5607' GR	43-047-15812
ROCKHOUSE UNIT #8	U-0780 WASATCH	1159' FEL & 1367' FNL Sec. 23, T11S, R23E	5849' GR	43-047-15815

RECEIVED

OCT 10 1989

DIVISION OF
OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0034
Expires: August 31, 1989

ASSIGNMENT OF RECORD TITLE INTEREST IN A
LEASE FOR OIL AND GAS OR GEOTHERMAL RESOURCES

Mineral Leasing Act of 1920 (30 U.S.C. 181 et seq.)
Act for Acquired Lands of 1947 (30 U.S.C. 351-359)
Geothermal Steam Act of 1970 (30 U.S.C. 1001-1025)
Department of the Interior Appropriations Act, Fiscal Year 1981 (42 U.S.C. 6508)

Lease Serial No.

Lease Effective Date
(Anniversary Date)

New Serial No.

Type or print plainly in ink and sign in ink.

PART A: ASSIGNMENT

1. Assignee* MCKENZIE PETROLEUM COMPANY
Street 1625 Broadway, Suite 2580
City, State, ZIP Code Denver, CO 80202

*If more than one assignee, check here and list the name(s) and address(es) of all additional assignees on the reverse of this form or on a separate attached sheet of paper.

This record title assignment is for: (Check one) Oil and Gas Lease, or Geothermal Lease

Interest conveyed: (Check one or both, as appropriate) Record Title, Overriding Royalty, payment out of production or other similar interests or payments

2. This assignment conveys the following interest:

Land Description <small>Additional space on reverse, if needed. Do not submit documents or agreements other than this form; such documents or agreements shall only be referenced herein.</small>	Percent of Interest			Percent of Overriding Royalty or Similar Interests	
	Owned	Conveyed	Retained	Reserved	Previously reserved or conveyed
	a	b	c		
SEE EXHIBIT "A" ATTACHED HERETO FOR DESCRIPTIONS OF THE LEASES, LANDS AND INTERESTS BEING CONVEYED.					

STATE OF UTAH)
)ss.
COUNTY OF SALT LAKE)

RECEIVED
OCT 16 1989

On this day of OCT 11 1989, before me appeared Robert Lopez, to me personally known, who being by me duly sworn did say that he is Chief of the Minerals Adjudication Section, Bureau of Land Management, and that the original of the foregoing instrument was signed on behalf of said Bureau, and that he acknowledged said instrument to be the free and voluntary act of said Bureau.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal the month, day, and year first above written.

[Signature]
Notary Public
324 South State Street, Suite 301
Salt Lake City, Utah 84111-2303

My Commission Expires: APR 28 1991

PAPERWORK REDUCTION ACT STATEMENT

1. This information is being collected pursuant to the law.
2. This information will be used to create and maintain a record of oil and gas/geothermal lease activity.
3. Response to this request is required to obtain benefit.

NOTICE

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this oil and gas/geothermal lease record title assignment application.

AUTHORITY: 30 U.S.C. 181 et seq; 30 U.S.C. 1001-1025; 42 U.S.C. 6508

PRINCIPAL PURPOSE—The information is to be used to process record title assignments for oil and gas/geothermal resources leases.

ROUTINE USE.

- (1) The adjudication of the assignee's rights to the land or resources.
- (2) Documentation for public information in support of notations made on land status records for the management, disposal, and use of public lands and resources.
- (3) Transfer to appropriate Federal agencies when concurrence is required prior to granting a right in public lands or resources.
- (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.

EFFECT OF NOT PROVIDING INFORMATION—If all requested information is not provided, the assignment may not be approved. See regulations at 43 CFR Groups 3100 and 3200.

Tear

Tear

Tear

Part A (Continued): ADDITIONAL SPACE for Names and addresses of additional assignees in Item No. 1, if needed, or for Land Description in Item No. 2, if needed.

This Assignment of Record Title Interest is expressly made subject to all of the terms and provisions of that certain Purchase and Sale Agreement dated August 20, 1989 between Assignor and Assignee.

As between Assignor and Assignee, this Assignment of Record Title Interest shall be effective September 1, 1989 at 7:00 a.m., C.D.T.

PART B: CERTIFICATION AND REQUEST FOR APPROVAL

1. The assignor certifies as owner of an interest in the above designated lease that he/she hereby assigns to the above assignee(s) the rights specified above.
2. Assignee certifies as follows: (a) Assignee is a citizen of the United States; an association of such citizens; a municipality; or a corporation organized under the laws of the United States or of any State or territory thereof. For the assignment of NPR-A leases, assignee is a citizen, national, or resident alien of the United States or association of such citizens, nationals, resident aliens or private, public or municipal corporations, (b) Assignee is not considered a minor under the laws of the State in which the lands covered by this assignment are located; (c) Assignee's chargeable interests, direct and indirect, in either public domain or acquired lands, do not exceed 200,000 acres in oil and gas options or 246,080 in oil and gas leases in the same State, or 300,000 acres in leases and 200,000 acres in options in each leasing District in Alaska, if this is an oil and gas lease issued in accordance with the Mineral Leasing Act of 1920 or 51,200 acres in any one State if this is a geothermal lease; (d) All parties holding an interest in the assignment are otherwise in compliance with the regulations (43 CFR Group 3100 or 3200) and the authorizing Acts; (e) Assignee is in compliance with reclamation requirements for all Federal oil and gas lease holdings as required by sec. 17(g) of the Mineral Leasing Act; and (f) Assignee is not in violation of sec. 41 of the Mineral Leasing Act.
3. Assignee's signature to this assignment constitutes acceptance of all applicable terms, conditions, stipulations and restrictions pertaining to the lease described herein.

For geothermal assignments, an overriding royalty may not be less than one-fourth (1/4) of one percent of the value of output, nor greater than 50 percent of the rate of royalty due to the United States when this assignment is added to all previously created overriding royalties (43 CFR 3241).

I certify that the statements made herein by me are true, complete, and correct to the best of my knowledge and belief and are made in good faith.

Executed this 15 day of September, 19 89

Executed this 20th day of September, 19 89

Name of Assignor as shown on current lease MAXUS EXPLORATION COMPANY
Please type or print

McKENZIE PETROLEUM COMPANY

Assignor _____
or _____ (Signature)

Assignee _____
or _____ (Signature)

Attorney-in-fact _____
Austin Murr (Signature) Attorney-in-Fact

Attorney-in-fact _____
(Signature)

P. O. Box 400
(Assignor's Address)

Amarillo Texas 79188
(City) (State) (Zip Code)

Title 18 U.S.C. Sec. 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.

EXHIBIT "A"

To Assignment of Record Title Interest from
 MAXUS EXPLORATION COMPANY, Assignor, to
 MCKENZIE PETROLEUM COMPANY, Assignee

<u>Lease Serial No.</u>	<u>Effective Date</u>	<u>Land Description</u>	<u>Percent of Interest</u>			<u>Overriding Royalty</u>	
			<u>Owned</u>	<u>Conveyed</u>	<u>Retained</u>	<u>Reserved</u>	<u>Previously Reserved</u>
U-0326	3-1-51	<u>Township 11 South, Range 24 East</u> Section 17: Lots 1, 2, S/2 NW Section 18: E/2 NE 199.69 acres, M/L	100%	100%	-0-	-0-	10%
U-0529	4-1-51	<u>Township 11 South, Range 24 East</u> Section 18: Lots 1-4, E/2 W/2, W/2 NE, SE Section 19: NE 699.56 acres, M/L	100%	100%	-0-	-0-	unknown
✓ U-0778	3-1-51	<u>Township 11 South, Range 23 East</u> Section 4: All Section 11: All Section 12: W/2 SW 1,428.36 acres, M/L	62.5%	62.5%	-0-	-0-	3%

EXHIBIT "A"

To Assignment of Record Title Interest from
MAXUS EXPLORATION COMPANY, Assignor, to
McKENZIE PETROLEUM COMPANY, Assignee

<u>Lease Serial No.</u>	<u>Effective Date</u>	<u>Land Description</u>	<u>Percent of Interest</u>			<u>Overriding Royalty</u>	
			<u>Owned</u>	<u>Conveyed</u>	<u>Retained</u>	<u>Reserved</u>	<u>Previously Reserved</u>
✓ U-0779	3-1-51	<u>Township 11 South, Range 23 East</u> Section 9: All Section 10: All Section 13: Lots 2-4, SWNE, W/2 SE, SW, S/2 NW, NWNW Section 14: All 2,442.09 acres, M/L	62.5%	62.5%	-0-	-0-	3%
✓ U-0780	3-1-51	<u>Township 11 South, Range 23 East</u> Section 15: E/2 E/2, NWNE, NW, NWSW Section 23: NE, E/2 NW, NESW, N/2 SE Section 24: N/2 1,080.00 acres, M/L	62.5%	62.5%	-0-	-0-	3%
U-016788	12-1-55	<u>Township 11 South, Range 23 East</u> Section 21: SE 160.00 acres, M/L	100%	100%	-0-	-0-	5%

EXHIBIT "A"

To Assignment of Record Title Interest from
 MAXUS EXPLORATION COMPANY, Assignor, to
 MCKENZIE PETROLEUM COMPANY, Assignee

<u>Lease Serial No.</u>	<u>Effective Date</u>	<u>Land Description</u>	<u>Percent of Interest</u>			<u>Overriding Royalty</u>	
			<u>Owned</u>	<u>Conveyed</u>	<u>Retained</u>	<u>Reserved</u>	<u>Previously Reserved</u>
U-017403	3-1-56	<u>Township 11 South, Range 24 East</u> Section 7: Lots 5, 10, 11 Section 8: Lots 1-7, NENE, N/2 SW, W/2 SE, SESE, SWNW 635.48 acres, M/L	100%	100%	-0-	-0-	10%
U-017664-A	4-1-56	<u>Township 11 South, Range 23 East</u> Section 1: Lots 10-17, S/2 NW, N/2 SE, SESE Section 12: Lots 1-4, SWNE, NENW 558.39 acres, M/L	100%	100%	-0-	-0-	10%
U-018859	8-1-56	<u>Township 11 South, Range 24 East</u> Section 19: Lots 1-4, E/2 W/2, SE 460.08 acres, M/L	100%	100%	-0-	-0-	10%

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

<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 & SERIAL NO. -</p>
<p>1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> Change Of Operator - Mass Transfer</p>		<p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME -</p>
<p>2. NAME OF OPERATOR McKenzie Petroleum Company</p>		<p>7. UNIT AGREEMENT NAME -</p>
<p>3. ADDRESS OF OPERATOR 1625 Broadway, Suite 2580, Denver, CO. 80202</p>		<p>8. FARM OR LEASE NAME -</p>
<p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface At proposed prod. zone See Attachments</p>		<p>9. WELL NO. -</p>
<p>10. FIELD AND POOL, OR WILDCAT -</p>		<p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA -</p>
<p>14. API NO. -</p>	<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) -</p>	<p>12. COUNTY Uintah</p>
		<p>13. STATE Utah</p>

RECEIVED

OCT 19 1989

DIVISION OF OIL, GAS & MINING

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

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:																				
<table style="width:100%;"> <tr> <td style="width: 50%;">TEST WATER SHUT-OFF <input type="checkbox"/></td> <td style="width: 50%;">FULL OR ALTER CASING <input type="checkbox"/></td> </tr> <tr> <td>FRACTURE TREAT <input type="checkbox"/></td> <td>MULTIPLE COMPLETE <input type="checkbox"/></td> </tr> <tr> <td>SHOOT OR ACIDIZE <input type="checkbox"/></td> <td>ABANDON <input type="checkbox"/></td> </tr> <tr> <td>REPAIR WELL <input type="checkbox"/></td> <td>CHANGE PLANS <input checked="" type="checkbox"/></td> </tr> <tr> <td>(Other) <input type="checkbox"/></td> <td></td> </tr> </table>	TEST WATER SHUT-OFF <input type="checkbox"/>	FULL 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 checked="" type="checkbox"/>	(Other) <input type="checkbox"/>		<table style="width:100%;"> <tr> <td style="width: 50%;">WATER SHUT-OFF <input type="checkbox"/></td> <td style="width: 50%;">REPAIRING WELL <input type="checkbox"/></td> </tr> <tr> <td>FRACTURE TREATMENT <input type="checkbox"/></td> <td>ALTERING CASING <input type="checkbox"/></td> </tr> <tr> <td>SHOOTING OR ACIDIZING <input type="checkbox"/></td> <td>ABANDONMENT* <input type="checkbox"/></td> </tr> <tr> <td colspan="2">(Other) <u>Change of Operator</u> <input type="checkbox"/></td> </tr> <tr> <td colspan="2" style="font-size: 0.8em;">(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</td> </tr> </table>	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>Change of Operator</u> <input type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	
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(Other) <u>Change of Operator</u> <input type="checkbox"/>																					
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)																					
<p>APPROX. DATE WORK WILL START <u>8-20-89</u></p>	<p>DATE OF COMPLETION <u>9-1-89</u></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.)

* Must be accompanied by a cement verification report.

Please Note: Change Of Operator via Mass Transfer between Maxus Exploration Company and McKenzie Petroleum Company effective September 1, 1989 at 7:00 A.M., C.D.T.

Mass Transfer locations and descriptions attached along with BLM approval.

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

SIGNED Howard W. Dennis TITLE Vice President DATE 10-17-89
Howard W. Dennis

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

Form 3000-3
(June 1988)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0034
Expires: August 31, 1989

ASSIGNMENT OF RECORD TITLE INTEREST IN A
LEASE FOR OIL AND GAS OR GEOTHERMAL RESOURCES

Mineral Leasing Act of 1920 (30 U.S.C. 181 et seq.)
Act for Acquired Lands of 1947 (30 U.S.C. 351-359)
Geothermal Steam Act of 1970 (30 U.S.C. 1001-1025)
Department of the Interior Appropriations Act, Fiscal Year 1981 (42 U.S.C. 6508)

Lease Serial No.
Lease Effective Date (Anniversary Date)
New Serial No.

Type or print plainly in ink and sign in ink.

PART A: ASSIGNMENT

1. Assignee* MCKENZIE PETROLEUM COMPANY
Street 1625 Broadway, Suite 2580
City, State, ZIP Code Denver, CO 80202

*If more than one assignee, check here and list the name(s) and address(es) of all additional assignees on the reverse of this form or on a separate attached sheet of paper.

This record title assignment is for: (Check one) Oil and Gas Lease, or Geothermal Lease

Interest conveyed: (Check one or both, as appropriate) Record Title, Overriding Royalty, payment out of production or other similar interests or payments

2. This assignment conveys the following interest:

Land Description <small>Additional space on reverse, if needed. Do not submit documents or agreements other than this form; such documents or agreements shall only be referenced herein.</small>	Percent of Interest			Percent of Overriding Royalty or Similar Interests	
	Owned	Conveyed	Retained	Reserved	Previously reserved or conveyed
	a	b	c	d	e
SEE EXHIBIT "A" ATTACHED HERETO FOR DESCRIPTIONS OF THE LEASES, LANDS AND INTERESTS BEING CONVEYED.					

STATE OF UTAH)
)ss.
COUNTY OF SALT LAKE)

RECEIVED
OCT 16 1989

On this day of OCT 11 1989, before me appeared Robert Lopez, to me personally known, who being by me duly sworn did say that he is Chief of the Minerals Adjudication Section, Bureau of Land Management, and that the original of the foregoing instrument was signed on behalf of said Bureau, and that he acknowledged said instrument to be the free and voluntary act of said Bureau.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal the month, day, and year first above written.

Joseph Cunningham
Notary Public
324 South State Street, Suite 301
Salt Lake City, Utah 84111-2303

My Commission Expires: APR 28 1991

PAPERWORK REDUCTION ACT STATEMENT

1. This information is being collected pursuant to the law.
2. This information will be used to create and maintain a record of oil and gas/geothermal lease activity.
3. Response to this request is required to obtain benefit.

NOTICE

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this oil and gas/geothermal lease record title assignment application.

AUTHORITY: 30 U.S.C. 181 et seq; 30 U.S.C. 1001-1025; 42 U.S.C. 6508

PRINCIPAL PURPOSE—The information is to be used to process record title assignments for oil and gas/geothermal resources leases.

ROUTINE USES

- (1) The adjudication of the assignee's rights to the land or resources.
- (2) Documentation for public information in support of notations made on land status records for the management, disposal, and use of public lands and resources.
- (3) Transfer to appropriate Federal agencies when concurrence is required prior to granting a right in public lands or resources.
- (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.

EFFECT OF NOT PROVIDING INFORMATION—If all requested information is not provided, the assignment may not be approved. See regulations at 43 CFR Groups 3100 and 3200.

Tear

Tear

Tear

Part A (Continued): ADDITIONAL SPACE for Names and addresses of additional assignees in Item No. 1, if needed, or for Land Description in Item No. 2, if needed.

This Assignment of Record Title Interest is expressly made subject to all of the terms and provisions of that certain Purchase and Sale Agreement dated August 20, 1989 between Assignor and Assignee.

As between Assignor and Assignee, this Assignment of Record Title Interest shall be effective September 1, 1989 at 7:00 a.m., C.D.T.

PART B: CERTIFICATION AND REQUEST FOR APPROVAL

1. The assignor certifies as owner of an interest in the above designated lease that he/she hereby assigns to the above assignee(s) the rights specified above.
2. Assignee certifies as follows: (a) Assignee is a citizen of the United States; an association of such citizens; a municipality; or a corporation organized under the laws of the United States or of any State or territory thereof. For the assignment of NPR-A leases, assignee is a citizen, national, or resident alien of the United States or association of such citizens, nationals, resident aliens or private, public or municipal corporations, (b) Assignee is not considered a minor under the laws of the State in which the lands covered by this assignment are located; (c) Assignee's chargeable interests, direct and indirect, in either public domain or acquired lands, do not exceed 200,000 acres in oil and gas options or 246,080 in oil and gas leases in the same State, or 300,000 acres in leases and 200,000 acres in options in each leasing District in Alaska, if this is an oil and gas lease issued in accordance with the Mineral Leasing Act of 1920 or 51,200 acres in any one State if this is a geothermal lease; (d) All parties holding an interest in the assignment are otherwise in compliance with the regulations (43 CFR Group 3100 or 3200) and the authorizing Acts; (e) Assignee is in compliance with reclamation requirements for all Federal oil and gas lease holdings as required by sec. 17(g) of the Mineral Leasing Act; and (f) Assignee is not in violation of sec. 41 of the Mineral Leasing Act.
3. Assignee's signature to this assignment constitutes acceptance of all applicable terms, conditions, stipulations and restrictions pertaining to the lease described herein.

For geothermal assignments, an overriding royalty may not be less than one-fourth (1/4) of one percent of the value of output, nor greater than 50 percent of the rate of royalty due to the United States when this assignment is added to all previously created overriding royalties (43 CFR 3241).

I certify that the statements made herein by me are true, complete, and correct to the best of my knowledge and belief and are made in good faith.

Executed this 15 day of September, 1989

Executed this 20th day of September, 1989

Name of Assignor as shown on current lease MAXUS EXPLORATION COMPANY
Please type or print

McKENZIE PETROLEUM COMPANY

Assignor _____ (Signature)

Assignee _____ (Signature)

or Attorney-in-fact _____ (Signature)
Austin Murr (Signature) Attorney-in-Fact

or Attorney-in-fact _____ (Signature)
McPresident (Signature)

P. O. Box 400 (Assignor's Address)

Amarillo Texas 79188
(City) (State) (Zip Code)

Title 18 U.S.C. Sec. 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.

EXHIBIT "A"

To Assignment of Record Title Interest from
 MAXUS EXPLORATION COMPANY, Assignor, to
 MCKENZIE PETROLEUM COMPANY, Assignee

<u>Lease Serial No.</u>	<u>Effective Date</u>	<u>Land Description</u>	<u>Percent of Interest</u>			<u>Overriding Royalty</u>	
			<u>Owned</u>	<u>Conveyed</u>	<u>Retained</u>	<u>Reserved</u>	<u>Previously Reserved</u>
U-0326	3-1-51	<u>Township 11 South, Range 24 East</u> Section 17: Lots 1, 2, S/2 NW Section 18: E/2 NE 199.69 acres, M/L	100%	100%	-0-	-0-	10%
U-0529	4-1-51	<u>Township 11 South, Range 24 East</u> Section 18: Lots 1-4, E/2 W/2, W/2 NE, SE Section 19: NE 699.56 acres, M/L	100%	100%	-0-	-0-	unknown
✓ U-0778	3-1-51	<u>Township 11 South, Range 23 East</u> Section 4: All Section 11: All Section 12: W/2 SW 1,428.36 acres, M/L	62.5%	62.5%	-0-	-0-	3%

EXHIBIT "A"

To Assignment of Record Title Interest from
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<u>Lease Serial No.</u>	<u>Effective Date</u>	<u>Land Description</u>	<u>Percent of Interest</u>			<u>Overriding Royalty</u>	
			<u>Owned</u>	<u>Conveyed</u>	<u>Retained</u>	<u>Previously Reserved</u>	<u>Reserved</u>
✓ U-0779	3-1-51	<u>Township 11 South, Range 23 East</u> Section 9: All Section 10: All Section 13: Lots 2-4, SWNE, W/2 SE, SW, S/2 NW, NWNW Section 14: All 2,442.09 acres, M/L	62.5%	62.5%	-0-	-0-	3%
✓ U-0780	3-1-51	<u>Township 11 South, Range 23 East</u> Section 15: E/2 E/2, NWNE, NW, NWSW Section 23: NE, E/2 NW, NESW, N/2 SE Section 24: N/2 1,080.00 acres, M/L	62.5%	62.5%	-0-	-0-	3%
U-016788	12-1-55	<u>Township 11 South, Range 23 East</u> Section 21: SE 160.00 acres, M/L	100%	100%	-0-	-0-	5%

EXHIBIT "A"

To Assignment of Record Title Interest from
 MAXUS EXPLORATION COMPANY, Assignor, to
 MCKENZIE PETROLEUM COMPANY, Assignee

<u>Lease Serial No.</u>	<u>Effective Date</u>	<u>Land Description</u>	<u>Percent of Interest</u>			<u>Overriding Royalty</u>	
			<u>Owned</u>	<u>Conveyed</u>	<u>Retained</u>	<u>Reserved</u>	<u>Previously Reserved</u>
✓ U-017403	3-1-56	<u>Township 11 South, Range 24 East</u> Section 7: Lots 5, 10, 11 Section 8: Lots 1-7, NENE, N/2 SW, W/2 SE, SESE, SWNW 635.48 acres, M/L	100%	100%	-0-	-0-	10%
✓ U-017664-A	4-1-56	<u>Township 11 South, Range 23 East</u> Section 1: Lots 10-17, S/2 NW, N/2 SE, SESE Section 12: Lots 1-4, SWNE, NENW 558.39 acres, M/L	100%	100%	-0-	-0-	10%
U-018859	8-1-56	<u>Township 11 South, Range 24 East</u> Section 19: Lots 1-4, E/2 W/2, SE 460.08 acres, M/L	100%	100%	-0-	-0-	10%

RECEIVED
OCT 19 1989

DIVISION OF
OIL, GAS & MINING

EXHIBIT "A"

To Assignment of Record Title Interest from
MAXUS EXPLORATION COMPANY, Assignor, to
McKENZIE PETROLEUM COMPANY, Assignee

<u>Lease Serial No.</u>	<u>Effective Date</u>	<u>Land Description</u>	<u>Percent of Interest</u>			<u>Overriding Royalty</u>	
			<u>Owned</u>	<u>Conveyed</u>	<u>Retained</u>	<u>Reserved</u>	<u>Previously Reserved</u>
✓ U-036414	9-1-59	<u>Township 11 South, Range 24 East</u> Section 8: Lot 9 7.12 acres, M/L	100%	100%	-0-	-0-	10%
✓ U-062420	3-1-51	<u>Township 11 South, Range 23 East</u> Section 12: S/2 NW, NWNW 120.00 acres, M/L	62.5%	62.5%	-0-	-0-	3%
✓ U-070535-E	1-1-51	<u>Township 11 South, Range 24 East</u> Section 8: Lots 8 and 10 62.63 acres, M/L	100%	100%	-0-	-0-	10%
✓ U-070536-B	2-1-51	<u>Township 11 South, Range 23 East</u> Section 1: Lot 9, SWNE 71.93 acres, M/L	100%	100%	-0-	-0-	9%

All in Uintah County, Utah

exhibitA.doc

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION & SERIAL NO.
U-0779

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
-

7. UNIT AGREEMENT NAME
Rockhouse Unit

8. FARM OR LEASE NAME
Rockhouse Unit

9. WELL NO.
#4

10. FIELD AND POOL, OR WILDCAT
Wasatch

11. SEC., T., R., N. OR BLK. AND SURVEY OR AREA
Sec. 9-T11S-R23E

12. COUNTY
Uintah

13. STATE
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

2. NAME OF OPERATOR
McKenzie Petroleum Co.

3. ADDRESS OF OPERATOR
1625 Broadway, Suite 2580, Denver, Co. 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface 2587 FNL, 1866 FWL SE 1/4 NW 1/4
At proposed prod. zone
Same

14. API NO.
43-047-15811

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
GR 5833

DEC 27 1989
OIL GAS & MINING

18. 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) _____	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
(Other) Continued Abandonment <input checked="" type="checkbox"/>		DATE OF COMPLETION _____	
APPROX. DATE WORK WILL START _____			

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.)

* Must be accompanied by a cement verification report.

The above referenced well is still shut-in to date. When economic conditions warrant resumed production, you will be notified immediately.

OIL AND GAS	
DRN	RJF
JRB	GLH
DTS	SLS
1-TAS	
2-	MICROFILM
3-	FILE

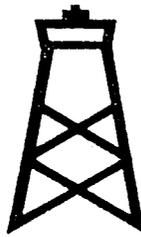
18. I hereby certify that the foregoing is true and correct

SIGNED Sam Cady TITLE Technician DATE 12-18-89

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



McKenzie Production Company

July 10, 1990

RECEIVED
JUL 16 1990

DIVISION OF
OIL, GAS & MINING

State of Utah
Department of Natural Resources
Oil & Gas Mining
355 W. N. Temple, Ste. 350
Salt Lake City, Utah 84180

RE: Operator Name Change

Gentlemen:

Enclosed are Sundry Notices for operator name change and address change. This name change is a change in name only and not an actual change of operator. Changes in our personnel have resulted in moving the production/regulatory from our office in Denver to the "home office" located in Houston.

All future correspondence should be forwarded to the Houston Office located at the following address:

7880 San Felipe Rd., Suite 100
Houston, Texas 77063

If you have any questions or need any additional information concerning this change, please do not hesitate to call our Houston Office at area code 713/783 4300. Thank you for your cooperation and assistance with this change.

Sincerely,

Brenda

Brenda Mabry

:BJM

Encl.

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

3. LEASE DESIGNATION AND SERIAL NO.
U-0779

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Rockhouse Unit

8. FARM OR LEASE NAME
Rockhouse Unti

9. WELL NO.
#4

10. FIELD AND POOL, OR WILDCAT
Wasatch

11. SEC., T., R., M., OR B.L.K. AND SURVEY OR AREA
sec. 9 T11S R23E

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED
JUL 16 1990
DIVISION OF OIL, GAS & MINING

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
McKenzie Production Company

3. ADDRESS OF OPERATOR
7880 San Felipe Rd., Suite 100, Houston, Texas 77063

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
2587 FNL, 1866 FWL SE 1/4 NW 1/4

14. API NUMBER
43 047 15811

15. ELEVATIONS (Show whether DF, ST, GR, etc.)
GR 5833

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"/>	FULL 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>Change operator name & Address</u> <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.)

EFFECTIVE 6/1/90
Change of Operator Name From McKenzie Petroleum Company to McKenzie Production Company.
Change Address from 1625 Broadway, Suite 2580, Denver, Colo 80202 to 7880 San Felipe Rd., Suite 100, Houston, Texas 77063

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

SIGNED Brenda MARRY TITLE Engineering Assistant DATE 7/2/90

(This space for Federal or State office use)

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

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1-
2-
3-
4-
5-
6-

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: 6-1-90)

TO (new operator) MCKENZIE PRODUCTION COMPANY FROM (former operator) MCKENZIE PETROLEUM COMPANY
 (address) CONTINUED-- (address) _____

 phone () _____ phone () _____
 account no. N account no. N

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

Name: ROCKHOUSE UNIT #8 WSTC API: 4304715815 Entity: 02025 Sec 23 Twp 11S Rng 23E Lease Type: U-0780
 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

1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
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. Cardex file has been updated for each well listed above.
7. Well file labels have been updated for each well listed above.
8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission.
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.

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1- ICR	<i>[initials]</i>
2- DPT	<i>[initials]</i>
3- VLC	<i>[initials]</i>
4- RJE	<i>[initials]</i>
5- RWM	<i>[initials]</i>
6- LCR	<i>[initials]</i>

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: 6-1-90)

TO (new operator)	<u>MCKENZIE PRODUCTION COMPANY</u>	FROM (former operator)	<u>MCKENZIE PETROLEUM COMPANY</u>
(address)	<u>7880 SAN FELIPE RD, #100</u>	(address)	<u>7880 SAN FELIPE RD, #100</u>
	<u>HOUSTON, TX 77063</u>		<u>HOUSTON, TX 77063</u>
	<u>phone (713) 783-4300</u>		<u>phone (713) 783-4300</u>
	<u>account no. N0095</u>		<u>account no. N0090</u>

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

Name: <u>THOMAS E. HALL #3 WEBB</u>	API: <u>4304715593</u>	Entity: <u>00615</u>	Sec <u>23</u>	Twp <u>5S</u>	Rng <u>22E</u>	Lease Type: <u>FEE</u>
Name: <u>THOMAS E. HALL #4 WEBB</u>	API: <u>4304715594</u>	Entity: <u>00615</u>	Sec <u>23</u>	Twp <u>5S</u>	Rng <u>22E</u>	Lease Type: <u>FEE</u>
Name: <u>THOMAS HALL FEE 1 WEBB</u>	API: <u>4304715591</u>	Entity: <u>00620</u>	Sec <u>23</u>	Twp <u>5S</u>	Rng <u>22E</u>	Lease Type: <u>FEE</u>
Name: <u>THOMAS HALL FEE 2 WEBB</u>	API: <u>4304715592</u>	Entity: <u>00620</u>	Sec <u>23</u>	Twp <u>5S</u>	Rng <u>22E</u>	Lease Type: <u>FEE</u>
Name: <u>THOMAS E. HALL #5S ENRD</u>	API: <u>4304715595</u>	Entity: <u>00620</u>	Sec <u>23</u>	Twp <u>5S</u>	Rng <u>22E</u>	Lease Type: <u>FEE</u>
Name: <u>RAINBOW UNIT 2A GARY</u>	API: <u>4304715806</u>	Entity: <u>01350</u>	Sec <u>18</u>	Twp <u>11S</u>	Rng <u>24E</u>	Lease Type: <u>U-0529</u>
Name: <u>RAINBOW UNIT #4 WSTC</u>	API: <u>4304715807</u>	Entity: <u>01355</u>	Sec <u>1</u>	Twp <u>11S</u>	Rng <u>23E</u>	Lease Type: <u>U-01766</u>

CONTINUED--

OPERATOR CHANGE DOCUMENTATION

- ICR 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Name change only)
- 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: .
- ICR 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.
- ICR 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above.
- ICR 6. Cardex file has been updated for each well listed above.
- ICR 7. Well file labels have been updated for each well listed above.
- ICR 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission.
- ICR 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).
- NA 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

** See Comments below (will put copy in suspense & follow-up)*

- 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 July 25, 1990. 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.

MICROFILMING

- 1. All attachments to this form have been microfilmed. Date: August 7 1990.

FILED

- 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

7-23-90 Btm/Berna Paperwork should go through State office first, then to them. Will call! (Have not received as of yet)

7-23-90 McKenzie Prod. Co. / Brenda Mabry Will send I.D. to C "Rider" adding McKenzie Prod. Co. to original bond. (They are operating under both names)

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
 355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

CHRISTINE SEVERNS
 MCKENZIE PRODUCTION CO
 7880 SAN FELIPE #100
 HOUSTON TX 77063

UTAH ACCOUNT NUMBER: N0095

REPORT PERIOD (MONTH/YEAR): 8 / 94

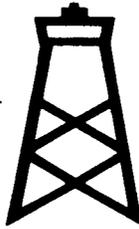
AMENDED REPORT (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
THOMAS E. HALL #3								
4304715593	00615	05S 22E 23	WEBR		FEE	4208'		
THOMAS E. HALL #4								
4304715594	00615	05S 22E 23	WEBR		FEE	4200'		
THOMAS HALL FEE 1								
4304715591	00620	05S 22E 23	WEBR		FEE	4122'	} Sep. Oper. Chg.	
THOMAS HALL FEE 2								
4304715592	00620	05S 22E 23	WEBR		FEE	4170'		
THOMAS E. HALL #5S								
4304715595	00620	05S 22E 23	ENRD		FEE	2055'		
RAINBOW UNIT 2A								
4304715806	01350	11S 24E 18	WSTC		U0529	(Rainbow Unit)		
RAINBOW UNIT #4								
4304715807	01355	11S 23E 1	WSTC		U017667-A	"		
RAINBOW UNIT 1								
4304715805	02010	11S 24E 8	WSTC		U017403	"		
ROCKHOUSE UNIT 3								
4304715810	02025	11S 23E 11	WSTC		U0778	(Rockhouse Unit)		
ROCKHOUSE UNIT 4								
4304715811	02025	11S 23E 9	WSTC		U0779	"		
ROCKHOUSE UNIT #5A								
4304715812	02025	11S 23E 13	WSTC		"	"		
ROCKHOUSE UNIT #8								
4304715815	02025	11S 23E 23	WSTC		U0780	"		
ROCK HOUSE UNIT #44-14								
4304731806	02025	11S 23E 14	WSTC		U0779	"		
TOTALS								

COMMENTS: _____

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

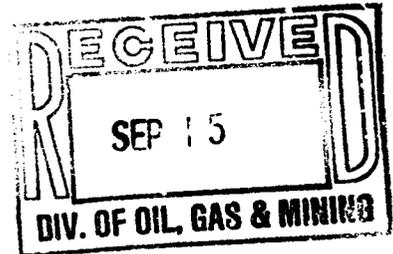
Name and Signature: _____ Telephone Number: _____



The McKenzie Companies

September 14, 1994

UTAH DEPARTMENT OF NATURAL RESOURCES
Division of Oil, Gas and Mining
355 W. No. Temple
3 Trian Center, Suite 350
Salt Lake City, UT 84180



RE: Change of Operator for Rainbow and Rockhouse Units
Unitah County, Utah

Gentlemen:

This letter is being written to advise you that we have sold our interest in the captioned units and have designated the new owner, UNITED UTILITIES CORPORATION as Operator. We and UNITED UTILITIES CORPORATION have filed the appropriate forms with the Bureau of Land Management and the State of Utah. UNITED UTILITIES CORPORATION has a Letter of Credit in place to meet the requirement of a bond.

For your records, please be advised that our new address is:

7500 San Felipe Suite 400
Houston, Texas 77063
Phone (713) 780-9311
Fax (713) 780-9322

Sincerely,

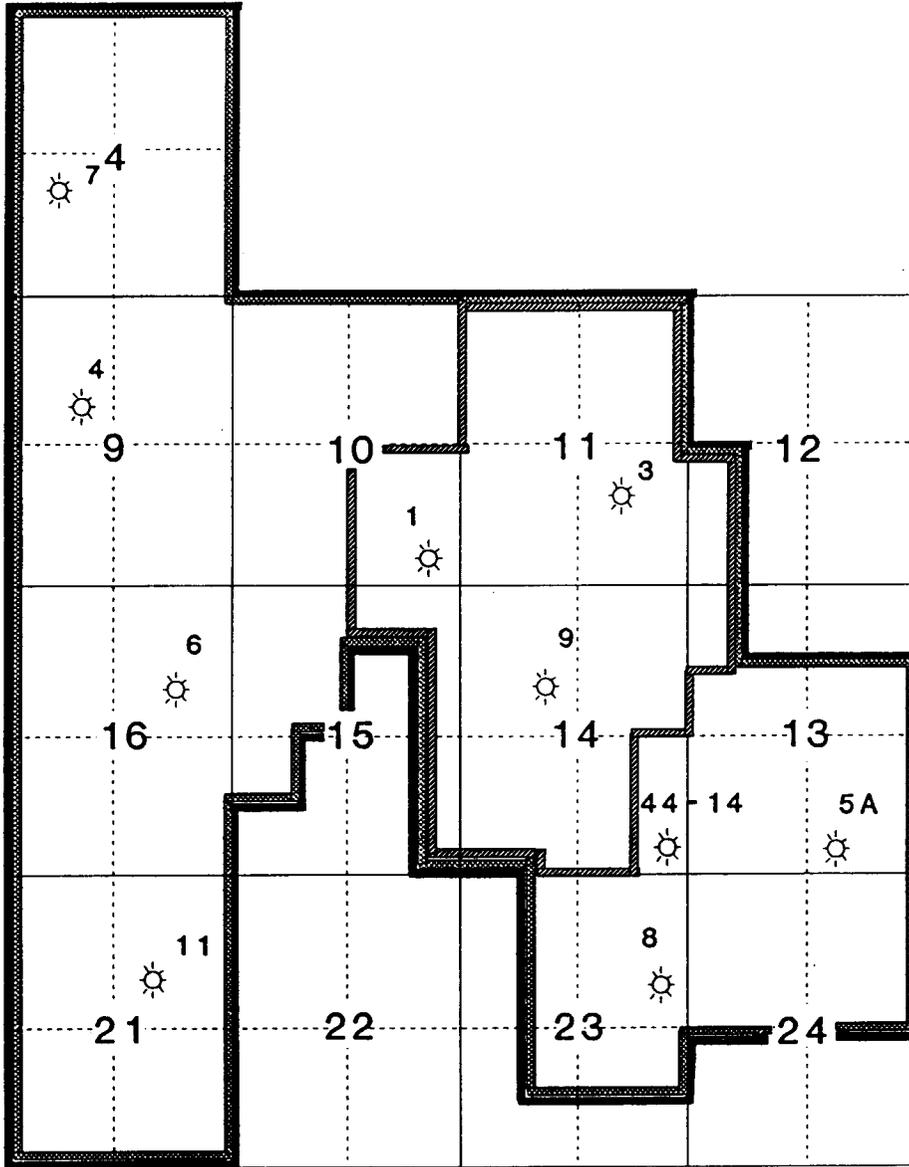
940916: Address Updated. LJC

McKENZIE PETROLEUM COMPANY and/or
McKENZIE PRODUCTION COMPANY

BY _____

ROCK HOUSE UNIT

Uintah County, Utah



11S

23E

-  UNIT AGREEMENT (UTU63030X)
-  WASATCH PA
-  MESAVERDE PA

AS CONTRACTED, FEBRUARY 2, 1966

6,230.45 ACRES

WASATCH PA ALLOCATION	
FEDERAL	89.0979%
STATE	10.9021%
5,870.45 Acres	

MESAVERDE PA ALLOCATION	
FEDERAL	100.00%
1,680.00 Acres	

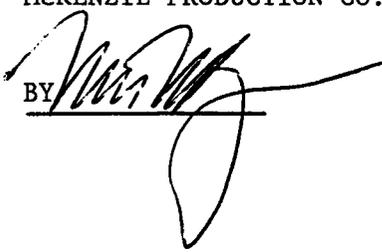
Authorized Officer
Bureau of Land Management

Re: ROCKHOUSE Unit
Uintah County, UTAH

Gentlemen:

Enclosed for your consideration and approval, are four (4) copies of Resignation of Unit Operator and Designation of Successor Operator for the ROCKHOUSE Unit Area. The enclosed instrument has been executed by more than the required percentage of working interest owners pursuant to the ROCKHOUSE Unit and Unit Operating Agreements. All operations within the ROCKHOUSE Unit Agreement will be covered by bond no. Letter. of Credit.

Sincerely,
McKENZIE PETROLEUM CO. and/or
McKENZIE PRODUCTION CO.

BY 

Enclosures

Authorized Officer
Bureau of Land Management

Re: ROCKHOUSE Unit
Uintah County, UTAH

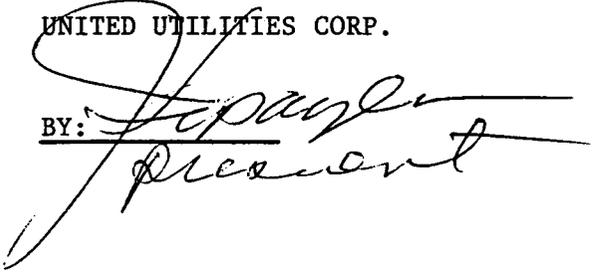
Gentlemen:

Enclosed for your consideration and approval, are four (4) copies of Resignation of Unit Operator and Designation of Successor Operator for the ROCKHOUSE Unit Area.

UNITED UTILITIES CORP., as the designated successor operator under the ROCKHOUSE Unit Agreement, hereby certifies that the requisite approvals of the current working interest owners in the agreement have been obtained to satisfy the requirements for selection of a successor operator as set forth under the terms and provisions of the agreement. All operations within the ROCKHOUSE Unit Agreement will be covered by bond no. Letter of Credit.

Sincerely,

UNITED UTILITIES CORP.

BY: 
President

Enclosures

RESIGNATION OF UNIT OPERATOR

ROCKHOUSE Unit Area

County of UINTAH

State of UTAH

Unit Agreement No. (un-numbered)

Under and pursuant to the provisions of Section 5 of the Unit Agreement for the Development and Operation of the ROCKHOUSE Unit Area, UINTAH County, UTAH

McKENZIE PETROLEUM CO. and/or
McKENZIE PRODUCTION CO.

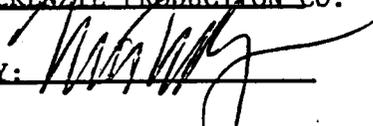
the designated Unit Operator under said Unit Agreement, does hereby resign as Unit Operator, effective upon the selection and approval of a successor Unit Operator.

EXECUTED with effect as aforesaid the 14th day of September, 1994.

ATTEST:

Joe Lawrence

McKENZIE PETROLEUM CO. and/or
McKENZIE PRODUCTION CO.

BY: 

DESIGNATION OF
SUCCESSOR UNIT OPERATOR

ROCKHOUSE Unit Area

County of UINTAH

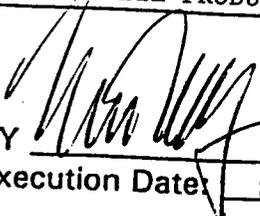
State of UTAH

Unit Agreement No. (un-numbered)

THIS INDENTURE, dated as of the 14th day of September, 1994 by and between UNITED UTILITIES CORP., hereinafter designated as "First Party," and the owners of unitized working interests, hereinafter designated as "Second Parties,"

SECOND PARTIES

McKENZIE PETROLEUM CO. and/or
McKENZIE PRODUCTION CO.

BY  _____
Execution Date: September 14, 1994

BY _____
Execution Date: _____

CORPORATE ACKNOWLEDGEMENT

STATE OF TEXAS)
) SS.
COUNTY OF Harris)

The foregoing instrument was acknowledged before me this 14th day of September, 1994, by Michael McKenzie, President, and by _____ Secretary of McKENZIE PETROLEUM CO., and/or McKENZIE PRODUCTION CO., a corporation.

WITNESS my hand and official seal.

My Commission Expires:

6-28-97

Bernice H. Williams
Notary Public

Place of Residence:

Houston, Harris County, Texas



CORPORATE ACKNOWLEDGEMENT

STATE OF TEXAS)
) SS.
COUNTY OF Harris)

The foregoing instrument was acknowledged before me this 14th day of September, 1994, by John Lapaglia, President, and by _____ Secretary of UNITED UTILITIES CORP., a corporation.

WITNESS my hand and official seal.

My Commission Expires:

4-2-98

Glenna D. Van Overbeke
Notary Public

Place of Residence:

Houston, Harris County, Texas

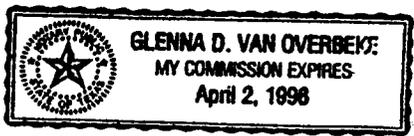


EXHIBIT "A"
 Rockhouse Unit
 Uintah County, Utah
 Lease Numbers and Description

<u>B.L.M. Lease Number</u>	<u>Location</u>
U-0778	T11S, R23E, SLM, SEC 4: ALL. SEC 11: ALL. SEC 12: W/2SW/4.
U-0779	T11S, R23E, SLM, SEC 9: ALL. SEC 10: ALL. SEC 13: LOTS 2-4, SW/4NE/4, W/2SE/4, SW/4, S/2NW/4, NW/4NW/4.
U 0780	T11S, R23E, SLM, SEC 15: E/2E/2, NW/2NE/4, NW/4, NE/4SW/4. SEC 23: NE/4, E/2NW/4, NE/4SW/4, N/2SE/4. SEC 24: N/2.
U 016788	T11S, R23E, SLM, SEC 21: SE/4.



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

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

September 26, 1994

Dan Corredor
United Utilities Corporation
7670 Woodway, Suite 340
Houston, Texas 77063

Re: McKenzie Production Company to United Utilities Corporation

Dear Mr. Corredor:

In reviewing the operator change for the referenced companies, it was determined that your company is not currently registered with the Utah Department of Commerce. This letter is written to advise you of your responsibility to register your company with the state prior to conducting business within Utah. This can be accomplished by contacting:

Department of Commerce
Division of Corporations
160 East 300 South
Salt Lake City, Utah 84111
(801) 530-4849

Sincerely,

A handwritten signature in cursive script that reads "Lisha Cordova".

Lisha Cordova
Admin. Analyst

cc: Dept. of Commerce
D.T. Staley
R.J. Firth
Operator File(s)
Correspondence File/lcd



Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1-LEC 7-PL	✓
2-LWP 8-SJV	✓
3-DPS 9-FILE	✓
4-VLC	✓
5-RJF	✓
6-LWP	✓

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: 9-14-94)

TO (new operator)	UNITED UTILITIES CORPORATION	FROM (former operator)	MCKENZIE PRODUCTION CO
(address)	<u>7670 WOODWAY STE 340</u>	(address)	<u>7500 SAN FELIPE STE 400</u>
	<u>HOUSTON TX 77063</u>		<u>HOUSTON TX 77063</u>
	<u>JOHN LAPAGUA, PRES.</u>		<u>MICHAEL MCKENZIE, PRES.</u>
	phone (713) <u>782-9093</u>		phone (713) <u>780-9311</u>
	account no. <u>N6360 (9-26-94)</u>		account no. <u>N 0095</u>

***RAINBOW UNIT**
***ROCK HOUSE UNIT**

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

Name: **SEE ATTACHED**	API: <u>047-15811</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

- lec 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(rec'd 9-15-94)*
- lec 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(rec'd 9-15-94)*
- lec 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: _____ *(9-26-94 letter mailed)*
- lec 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.
- lec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(9-26-94)*
- lec 6. Cardex file has been updated for each well listed above. *9-28-94*
- lec 7. Well file labels have been updated for each well listed above. *9-28-94*
- lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(9-26-94)*
- lec 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).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- N/A 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) _____. Today's date _____ 19____. If yes, division response was made by letter dated _____ 19____.

LEASE 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.
- 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: October 3 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

940923 Bfm/SL Aprv. 9-23-94. (Rainbow & Rockhouse Unit)

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

TAMARA SEITER
 UNITED UTILITIES CORP
 7670 WOODWAY STE 340
 HOUSTON TX 77063

UTAH ACCOUNT NUMBER: N6360

REPORT PERIOD (MONTH/YEAR): 12 / 96

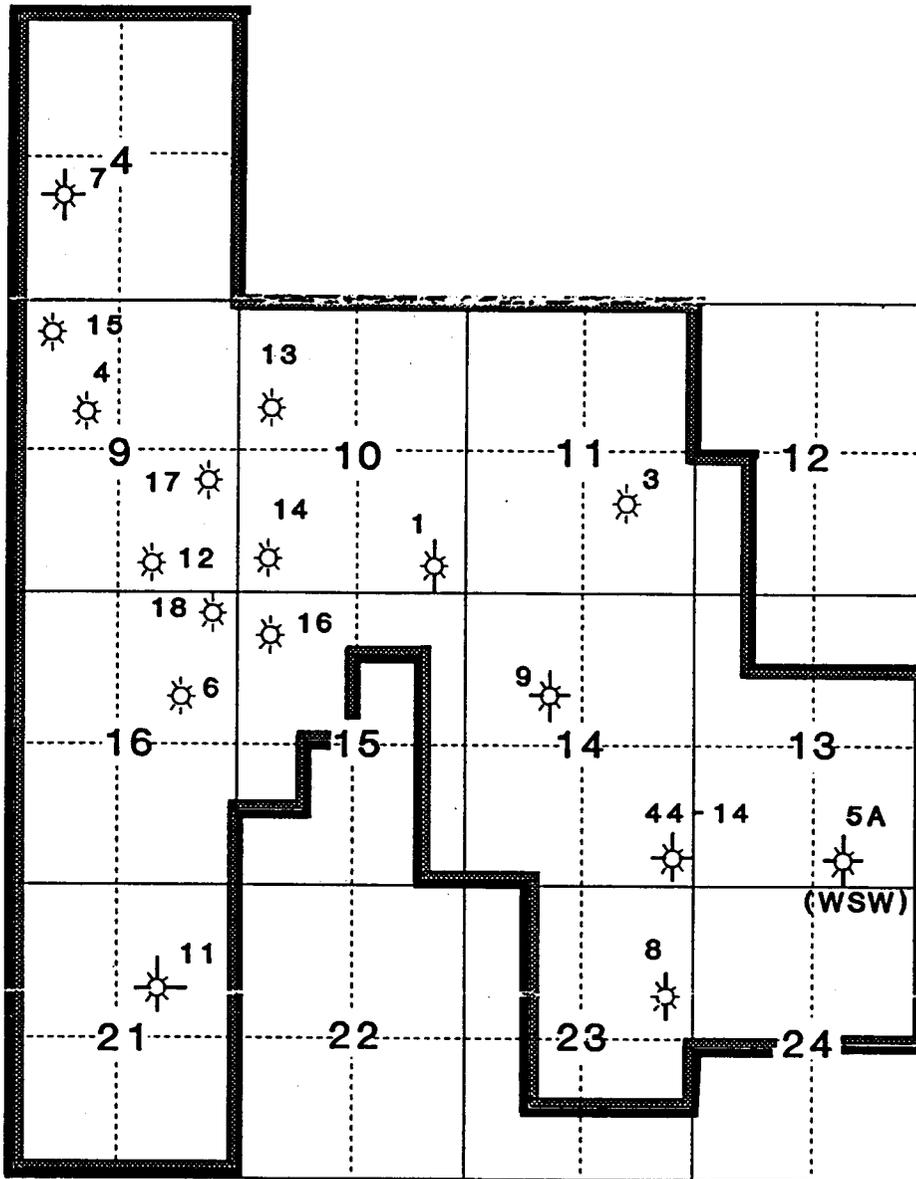
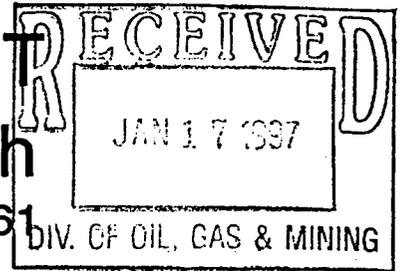
AMENDED REPORT (Highlight Changes)

Well Name API Number	Entry	Location	Producing Zone	Well Status	Days Oper	Production Volumes		
						OIL(BBL)	GAS(MCF)	WATER(BBL)
THOMAS E. HALL #3 4304715593	00615	05S 22E 23	WEBR					
THOMAS E. HALL #4 4304715594	00615	05S 22E 23	WEBR					
THOMAS HALL FEE 1 4304715591	00620	05S 22E 23	WEBR					
THOMAS HALL FEE 2 4304715592	00620	05S 22E 23	WEBR					
THOMAS E. HALL 5S 4304715595	00620	05S 22E 23	ENRD					
RAINBOW UNIT 2A 4304715806	01350	11S 24E 18	WSTC					
NBOW UNIT 4 4304715807	01355	11S 23E 1	WSTC					
RAINBOW UNIT 1 4304715805	02010	11S 24E 8	WSTC					
ROCKHOUSE UNIT 3 4304715810	02025	11S 23E 11	WSTC			-U0778		
ROCKHOUSE UNIT 4 4304715811	02025	11S 23E 9	WSTC			-U0779		
ROCKHOUSE UNIT #5A 4304715812	02025	11S 23E 13	WSTC			-U0779	*3/97 fr. SGO to WSW.	
ROCKHOUSE UNIT #8 4304715815	02025	11S 23E 23	WSTC			-U0780		
ROCK HOUSE UNIT #44-14 4304731806	02025	11S 23E 14	WSTC			-U0779		
TOTALS								

COMMENTS: * Rainbow Unit "Separate change"
* Rockhouse Unit (prev. eff. 4-16-97. (Relinquished op. to Water Rights - # 5A/4304715812 - WSW))

I hereby certify that this report is true and complete to the best of my knowledge. Date: _____
 Name and Signature: _____ Telephone Number: _____

ROCK HOUSE UNIT
Uintah County, Utah
EFFECTIVE: JANUARY 11, 1961



11S

23E

- UNIT AGREEMENT (UTU63030X)
- WASATCH - MESAVERDE PA

AS CONTRACTED FEBRUARY 2, 1966

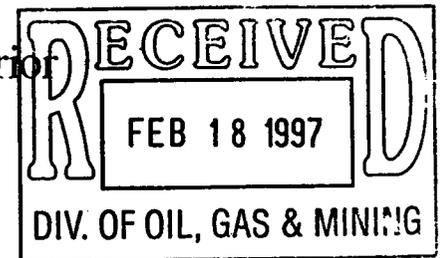
6,230.45 ACRES

WSTC-MSVD PA ALLOCATION	
FEDERAL	89.7279%
STATE	10.2721%
6,230.45 Acres	



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155



COPY

February 12, 1997

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

United Utilities Incorporated
Attn: John Lapaglia
7670 Woodway, Suite 340
Houston, Texas 77063

Re: Rock House Unit
Uintah County, Utah

Gentlemen:

We are in receipt of your notice of intent to resign as Unit Operator of the Rock House Unit, effective March 3, 1997.

Please be advised that the resignation shall not become effective for a period of 6 months after notice of intention to resign has been served by the Unit Operator on all working interest owners and this office (February 10), unless a new unit operator is selected, approved and has taken over and assumed the duties and obligations of unit operator prior to the expiration of the six month period. The resignation of the unit operator shall not release United Utilities Incorporated from any liability for any default by it occurring prior to the effective date of resignation.

Until a successor of unit operator is selected and approved, the working interest owners shall be jointly responsible for performance of the duties of Unit Operator, and shall no later than 30 days before such resignation or removal becomes effective (6 months after working interest notification) appoint a common agent to represent them in any action to be taken under the agreement..

If no successor of unit operator is selected and qualified as provided in Section 6 of the unit agreement, this office may at its election declare the unit agreement terminated.

Please provide all interested parties, copies of this correspondence. If you have any questions, please contact Teresa Thompson (801) 539-4047 or Mickey Coulthard (801) 539-4042.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

bcc: District Manager - Vernal
~~Division: Oil, Gas & Mining~~
File - Rock House Unit
Agr. Sec. Chron
Fluid Chron

UT931:TAThompson:tt:02-12-97

FAX

To:

Attn:

Jesha Cordova

Time Sent: 3:28 pm

From:

Sammy

Date: 4/8/97

Number of Pages:

4

Fax Number:

(801) 359-3940

(includes this page)

Remarks:

Jesha, I'm faxing you a letter
where United is Resigning as
unit operator effective 2/1/97

Please call with any
questions,

Thanks, Sammy

The information contained in this facsimile message is privileged and confidential information, intended for the use of the individual or entity indicated above. Any dissemination, distribution or copy of this communication is strictly prohibited. If you have received this communication in error, please immediately notify us by telephone and return the original message to us via the U. S. Postal Service. Thank you.

UUC

UNITED UTILITIES CORPORATION
7670 Woodway Dr., Suite 340
Houston, Texas 77063
Phone: (713) 782-9093
Fax: (713) 782-9095

UNITED

UTILITIES INCORPORATED

April 8, 1997

State of Utah
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801
ATTN: Lisha Cordova

Re: Resignation of Unit Operator (Rainbow, Rockhouse & Upper Rockhouse)

Dear Lisha Cordova,

Per our conversation on April 7, 1997 United Utilities Corporation has resigned as Unit Operator effective February 1, 1997 and Rosewood Resources Inc. is now the new Operator effective February 1, 1997. Please find the Monthly Oil and Gas Production Report showing Well Name, API # and Location of the Wells so that you can properly update United Utilities and Rosewoods Accounts.

Thanks in advance and have a great day.

Sincerely,
United Utilities Corporation



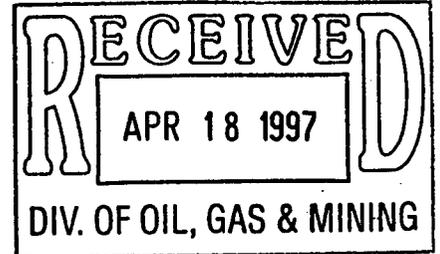
Tamara Seiter
Senior Accountant
Revenue & Joint Interest Billing

COPY



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
UT-931

April 16, 1997

Rosewood Resources, Inc.
100 Crescent Court, Suite 500
Dallas, Texas 75201

Re: Rock House Unit
Uintah County, Utah

Gentlemen:

On April 10, 1997, we received an indenture dated March 1, 1997, whereby United Utilities Corporation resigned as Unit Operator and Rosewood Resources, Inc. was designated as Successor Unit Operator for the Rock House Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective April 16, 1997.

Your nationwide (Montana) oil and gas bond No. 0627 will be used to cover all operations within the Rock House Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ James A. Fouts

for Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

bcc: District Manager - Vernal (w/enclosure)
~~Division of Oil, Gas & Mining~~
Minerals Adjudication Group U-932
File - Rock House Unit (w/enclosure)
MMS - Data Management Division
Agr. Sec. Chron
Fluid Chron

U-931:TAThompson:tt:April 16, 1997

WELL STATUS REPORTS
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
** INSPECTION ITEM 891007314C		ROCK HOUSE WS MV							
✓ 891007314C	430471580900S1	1	SESE	10	11S	23E	TA	UTU0779	UNITED UTILITIES CORPORAT
✓ 891007314C	430473271900S1	12	SWSE	9	11S	23E	PGW	UTU0779	UNITED UTILITIES CORPORAT
✓ 891007314C	430473252200S1	13	SNNW	10	11S	23E	PGW	UTU0779	UNITED UTILITIES CORPORAT
✓ 891007314C	430473252100S1	14	SWSW	10	11S	23E	PGW	UTU0779	UNITED UTILITIES CORPORAT
✓ 891007314C	430473273400S1	15	NWNW	9	11S	23E	PGW	UTU0779	UNITED UTILITIES CORPORAT
891007314C	430473276100X1	16	NWNW	15	11S	23E	ABD	UTU0780	UNITED UTILITIES CORPORAT
✓ 891007314C	430473276000S1	17	NESE	9	11S	23E	PGW	UTU0779	UNITED UTILITIES CORPORAT
✓ 891007314C	430473276200S1	18	NENE	16	11S	23E	PGW	STATE	UNITED UTILITIES CORPORAT
✓ 891007314C	430471581000S1	3	NWSE	11	11S	23E	PGW	UTU0778	UNITED UTILITIES CORPORAT
✓ 891007314C	430471581100S1	4	SENW	9	11S	23E	PGW	UTU0779	UNITED UTILITIES CORPORAT
✓ 891007314C	430473180600S1	44-14	SESE	14	11S	23E	ABD	UTU0779	UNITED UTILITIES CORPORAT
891007314C	430471581200S1	5A	SWSE	13	11S	23E	WSW	UTU0779	UNITED UTILITIES CORPORAT
✓ 891007314C	430471581500S1	8	SENE	23	11S	23E	TA	UTU0780	UNITED UTILITIES CORPORAT
** INSPECTION ITEM 891007314X		ROCK HOUSE X							
✓ 891007314X	430473275300S1	13-A	SNNW	10	11S	23E	POW	UTU0779	UNITED UTILITIES CORPORAT

*PA'd; addl
Rehab Ref.
By Blm*

*Referred Op. to
Water Rights*

OPERATOR CHANGE WORKSHEET

1- VLD	6- FILE
2-GLH	7-KDR KAS
3-DTSOTS	8-SI
4-VLD	9-FILE
5-RIF QRS	

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: 2-1-97

TO: (new operator) ROSEWOOD RESOURCES INC
 (address) 100 CRESCENT COURT #500
DALLAS TX 75201
 Phone: (214)871-5710
 Account no. N7510

FROM: (old operator) UNITED UTILITIES CORP.
 (address) 7670 WOODWAY STE 340
HOUSTON TX 77063
TAMARA SEITER
 Phone: (713)782-9093
 Account no. N6360

WELL(S) attach additional page if needed:

ROCK HOUSE UNIT

Name: **SEE ATTACHED**	API: <u>43-047-15811</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

- Lic 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). *(Rec'd 4-8-97)*
- Lic 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(X BLM Aprv. 4-16-97)*
- N/A 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: _____
- Lic 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.
- Lic 5. Changes have been entered in the **Oil and Gas Information System (3270)** for each well listed above. *(4-30-97)*
- Lic 6. **Cardex** file has been updated for each well listed above. *(5-5-97)*
- Lic 7. **Well file labels** have been updated for each well listed above. *(5-5-97)*
- Lic 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. *(4-30-97)*
- Lic 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

- Yes 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.
- N/A 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.

BOND VERIFICATION - (FEE WELLS ONLY) *Trust Lands 80,000 Surety # 5836732 "Seico Ins. Co."*

- Yes 1. (r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond.
- Yes/NA 2. A copy of this form has been placed in the new and former operator's bond files.
- Yes 3. The FORMER operator has requested a release of liability from their bond (yes/no) no, as of today's date 4-22-97. If yes, division response was made to this request by letter dated _____.

LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- BTS 1. Copies of documents have been sent on 5/9/97 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.
- N/A 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

- Yes 1. All attachments to this form have been microfilmed. Today's date: 6-6-97.

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

970418 Bbm/SP. Appr. 4-16-97 et. same.

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 reenter a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.
UTU-63030C

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

7. If Unit or CA, Agreement Designation
ROCK HOUSE UNIT

8. Well Name and No.
ROCK HOUSE UNIT #4

9. API Well No.
43-047-15811

10. Field and Pool, or Exploratory Area

11. County or Parish, State
UINTAH CO., UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator
ROSEWOOD RESOURCES, INC.

3. Address and Telephone No.
P.O. Box 1668, Vernal, UT 435-789-0414

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SE/NE Section 9, T11S, R23E

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

TYPE OF SUBMISSION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

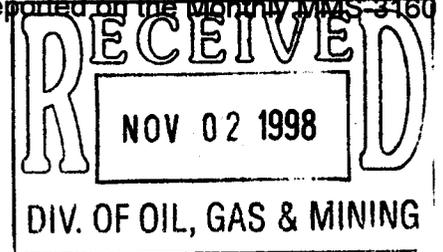
TYPE OF ACTION

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

Produced water will be tanked on location and then trucked to the state approved TU & FRUM Disposal Facility located in Section 12, T5S, R19E, Uintah County. Produced water will be reported on the Monthly MMS-3160 form.



COPIES: ORIG. & 2-BLM; DIV. OG&M; J MCQUILLEN

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

Signed [Signature] Accepted by the Administrative Assistant Title Administrative Assistant Date 10/29/98

(This space for Federal or State of Utah) Approved by Utah Division of Oil, Gas and Mining Title _____ Date _____

Conditions of approval, if any:

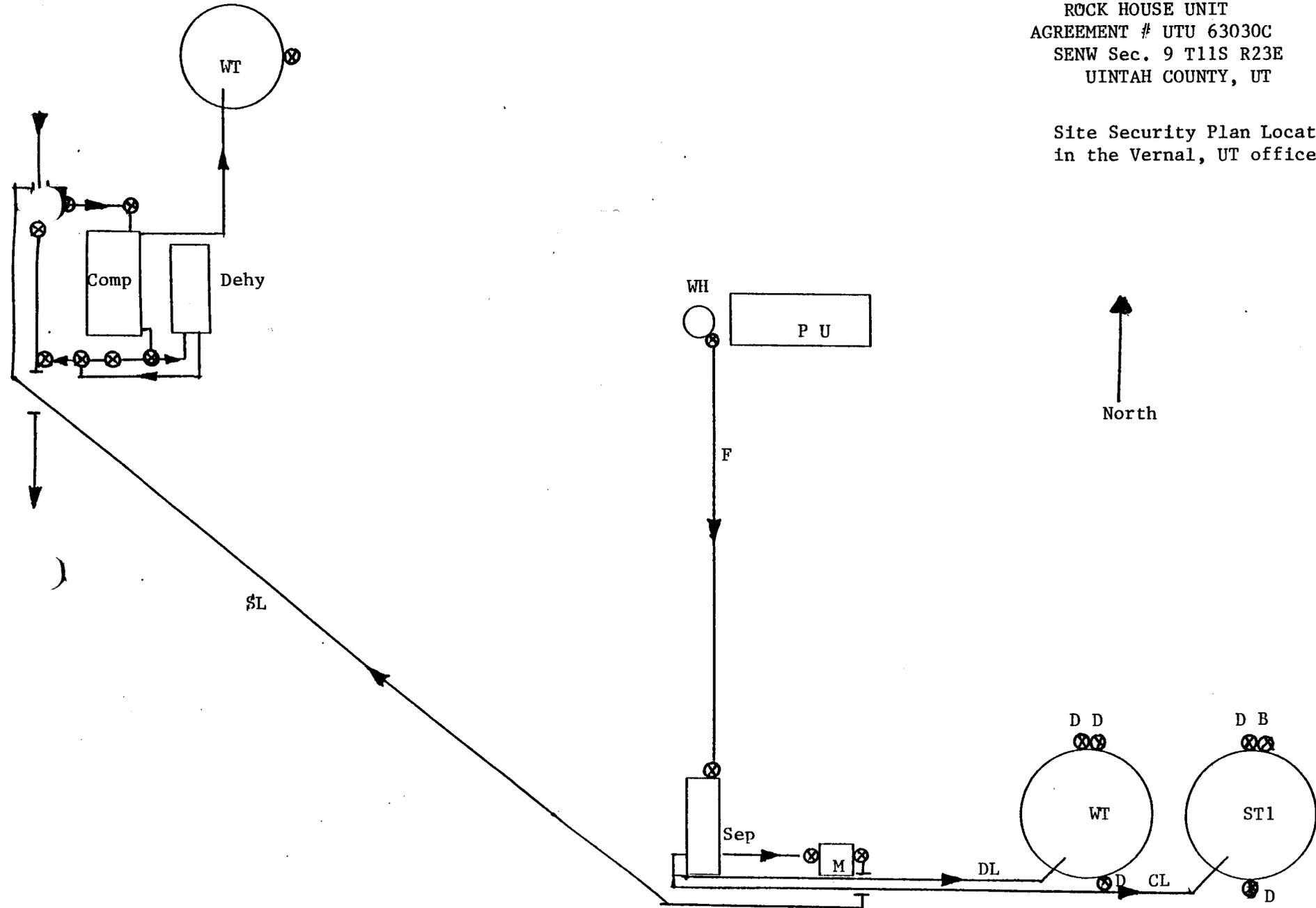
FOR RECORD ONLY

Federal Approval of this Action is Necessary

ROSEWOOD RESOURCES, INC.
VERNAL, UTAH

43-047-15811
ROCK HOUSE UNIT FEDERAL #4
ROCK HOUSE UNIT
AGREEMENT # UTU 63030C
SENW Sec. 9 T11S R23E
UINTAH COUNTY, UT

Site Security Plan Located
in the Vernal, UT office.



LEGEND

F	FLOWLINE
DL	DUMP\BLOWDOWN LINE
CL	CONDENSATE LINE
SL	SALES LINE
PL	WILDHORSE PIPELINE
WH	WELLHEAD
SEP	SEPARATER
ST	STORAGE TANK
WT	WATER TANK
⊗	VALVE
A ⊗	SEALED CL VALVE
B ⊗	SEALED SALES VALVE
D ⊗	SEALED DRAIN VALVE
M	GAS METER
PU	PUMPING UNIT
DEHY	GAS DEHYDRATER
COMP	GAS COMPRESSOR

ATTACHMENT TO PRECEDING SITE FACILITY DIAGRAMS

General sealing of valves - sales are by tank gauging.

Production Phase: All drain valves (D) and sales valves (B) are sealed closed. The fill valve (A) and equalizer valve (C) are open and unsealed on the producing tank. The equalizer valve (C) on another tank is open and unsealed to allow production to flow to a spare tank in the event of an upset.

Sales Phase: The tank from which sales are being made will be isolated by sealing close the fill line (A), equalizer line (C), and drain valve (D) prior to shipping. After these valves are sealed closed, the top gauge will be taken. The sales valve (B) on the isolated sales tank will be broken and opened for sales. After sales, the sales valve (B) is sealed closed and the closing gauge is taken. The fill valve (A) and equalizer valve (C) seals are broken and the valves opened, when production is turned back into this tank.

Draining Phase: The tank being drained will be isolated by sealing closed the sales valve (B) and the other drain valves (D) on the other tanks. The top gauge will be taken prior to opening the drain valve (D). The water is drained off and the drain valve (D) is sealed closed and the top gauge is retaken.

<u>Sealed Valves</u>	<u>Producing</u>	<u>Shipping</u>	<u>Draining</u>
A-Fill Valve	open	closed	open
B-Shipping Valve	closed	open	closed
C-Equalizer Valve	open	closed	open
D-Drain Valve	closed	closed	open
E-Hot-oil Valve	closed	closed	closed

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.		5. LEASE DESIGNATION AND SERIAL NUMBER: U-0779	
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
1. TYPE OF WELL Gas Well		7. UNIT or CA AGREEMENT NAME: ROCK HOUSE	
2. NAME OF OPERATOR: ROSEWOOD RESOURCES INC		8. WELL NAME and NUMBER: ROCK HOUSE U 4	
3. ADDRESS OF OPERATOR: PO Box 1668 , Vernal , UT, 84078		9. API NUMBER: 43047158110000	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2587 FNL 1866 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 09 Township: 11.0S Range: 23.0E Meridian: S		9. FIELD and POOL or WILDCAT: ROCK HOUSE	
		COUNTY: UINTAH	
		STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 11/21/2015 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input checked="" type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
Please change this well to shut in status. It was shut in on 11/21/2015 due to economic instability. Thank you Jill			
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY January 06, 2016			
NAME (PLEASE PRINT) Jill Henrie	PHONE NUMBER 435 789-0414	TITLE Administravtive Assistant	
SIGNATURE N/A		DATE 1/5/2016	