

(SUBMIT IN TRIPLICATE)

Indian Agency Havas

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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal Lands

Lease No. 14-20-603-229

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 REDRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF REDRILLING 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)

July 14, 19 58

Well No. Tobocadla 42-35 is located 4620 ft. from S line and 660 ft. from E line of sec. 35

NE 35
(¼ Sec. and Sec. No.)

14S
(Twp.)

21E
(Range)

SLM
(Meridian)

Tobocadla
(Field)

San Juan
(County or Subdivision)

Utah
(State or Territory)

The elevation of the ~~surface~~ well above sea level is 4620 ft. (Approx. 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)

Proposed Work:

1. Drill 12 1/4" hole 1110'.
2. Cement 8 5/8" casing at 1110' with 600 sacks treated cement.
3. Drill 7 7/8" hole to 5200'.
4. Core 7 7/8" hole from 5200' to 5280' (Sluff Zone).
5. Drill 7 7/8" hole to 5990'. Run logs as directed.
6. Cement 5 1/2" casing at 5990' with 200 sacks regular cement.
7. Clean out to 5975'.
8. Perforate four 1/2" holes/ft. in intervals determined by logs.
9. Acidize with 250 gal. mud acid, 500 gal. regular and 4000 gal. retarded acid.
10. Swab well into production and establish rate.

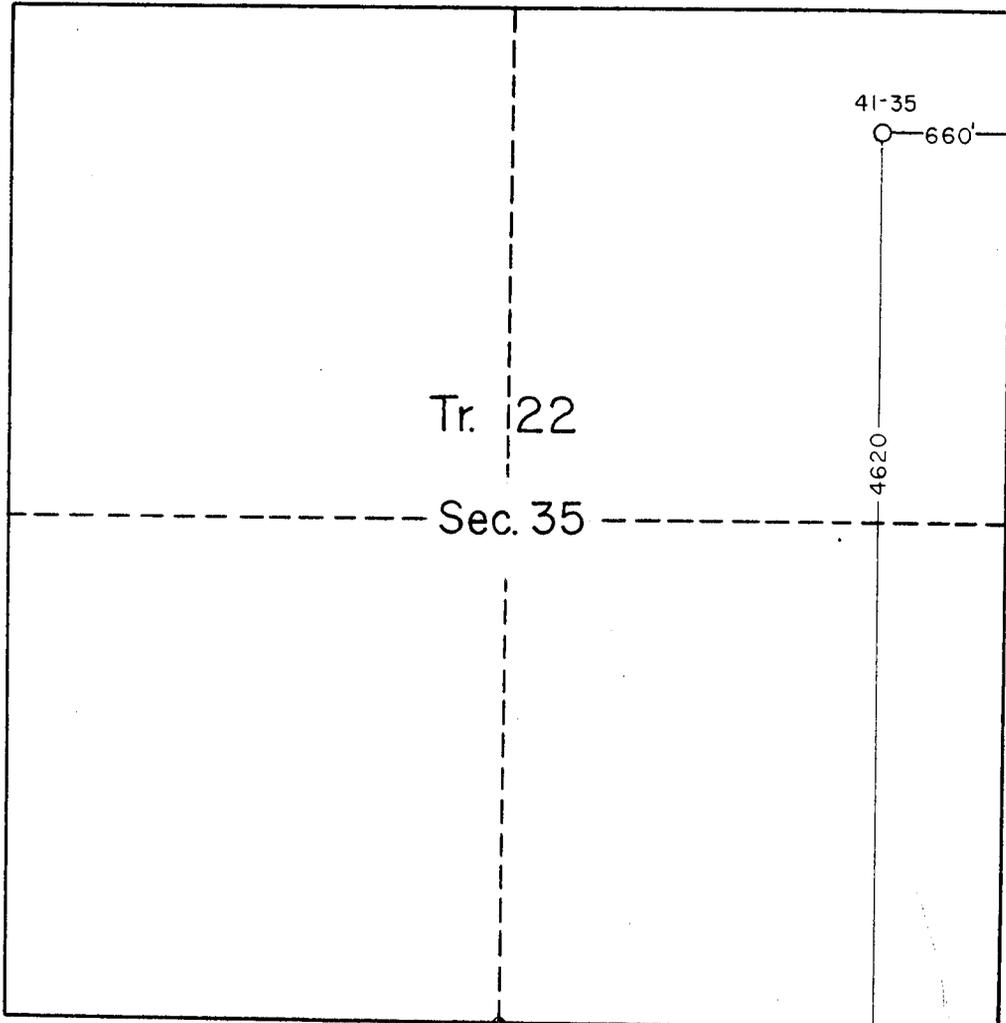
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil Company
Address 101 South Behrend Avenue
Farmington, New Mexico

Original signed by
E. W. SHEPARD
By E. W. Shepard
Title Exploitation Engineer

R 21 E

T
41
S



Fd.3" B.C.

Fd.3" B.C.

Set 1" X 2" hub and flag at Location 4620' N. & 660' W from the S.E. corner Sec. 35, T41S, R21E, S.L.B.M. San Juan Co. Utah. Tract No. 22 Set 1" X 2" hub at R.P.'s 212' N45°W, 212' N45°E, 212' S 45°W, & S45°E of Location. Field Book F-4, Page 19.

Elevation Data:

Location-4872.7

T.B.M.----4877.5

This is to certify that the above plat was plotted from field notes of a survey made under my supervision, and that the same is true and correct to the best of my knowledge and belief.



Geo. L. Baker

Registered Land Surveyor
Certificate No. 2158

DRAWN BY B.H.F.

TRACED BY

CHECKED BY

SHELL OIL COMPANY

DATE 6-26-58

SCALE 1" = 1000'

FILE NO. Z- 20-042

LOCATION OF TOHONADLA 41-35
SAN JUAN COUNTY, UTAH- SEC. 35, T41S, R21E, S.L.B.M.

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

		X
35		

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal Lands

Lease No. 11-20-603-229

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	X	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 REDRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF REDRILLING 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)

July 14, 19 58

Well No. Tobocordia 41-35 is located 4620 ft. from S line and 660 ft. from E line of sec. 35

NE 35
(¼ Sec. and Sec. No.)

418
(Twp.)

21E
(Range)

61N
(Meridian)

Tobocordia
(Field)

San Juan
(County or Subdivision)

Utah
(State or Territory)

The elevation of the ~~surface of the ground~~ is 4680 ft. (Approx. 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)

Proposed Work:

1. Drill 12 1/4" hole 1110'±.
2. Cement 8 5/8" casing at 1110'± with 600 sacks treated cement.
3. Drill 7 7/8" hole to 5200'±.
4. Core 7 7/8" hole from 5200'± to 5280'±. (Bluff Zone).
5. Drill 7 7/8" hole to 5990'±. Run logs as directed.
6. Cement 5 1/2" casing at 5990'± with 200 sacks regular cement.
7. Clean out to 5975'±.
8. Perforate four 1/2" holes/ft. in intervals determined by logs.
9. Acidize with 250 gal. mud acid, 500 gal. regular and 4000 gal. retarded acid.
10. Swab well into production and establish rate.

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

Company Shell Oil Company

Address 101 South Barend Avenue

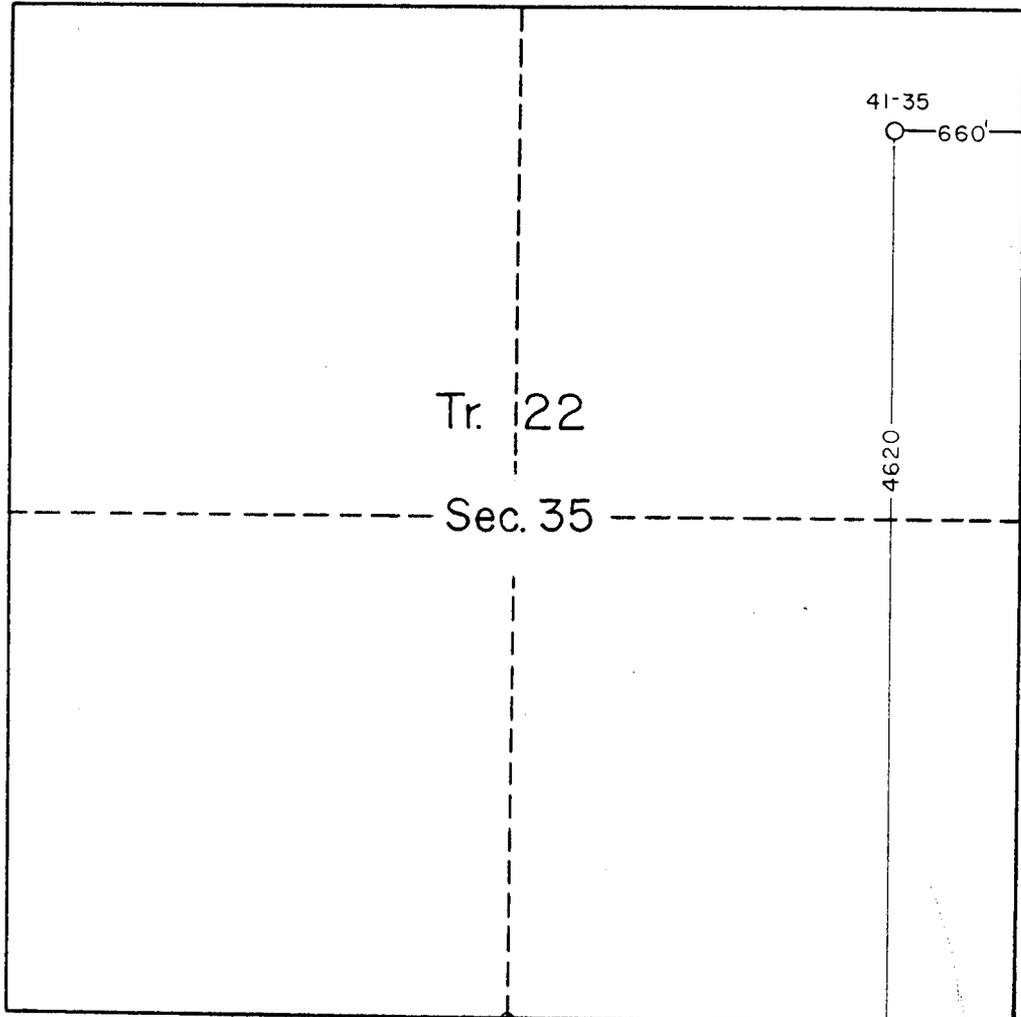
Farmington, New Mexico

Original signed by
B. W. SHEPARD

By B. W. Shepard
Title Exploitation Engineer

R 21 E

T
41
S



Fd. 3" B.C.

Fd. 3" B.C.

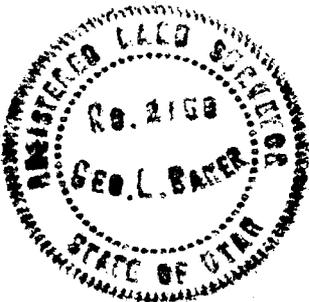
Set 1" X 2" hub and flag at Location 4620' N. & 660' W from the S.E. corner Sec. 35, T41S, R21E, S.L.B.M. San Juan Co. Utah. Tract No. 22 Set 1" X 2" hub at R.P.'s 212' N45°W, 212' N45°E, 212' S 45°W, & S45°E of Location. Field Book F-4, Page 19.

Elevation Data:

Location - 4872.7

T.B.M. --- 4877.5

This is to certify that the above plat was plotted from field notes of a survey made under my supervision, and that the same is true and correct to the best of my knowledge and belief.



Geo. L. Baker

Registered Land Surveyor
Certificate No. 2158

DRAWN BY B.H.F.

TRACED BY

CHECKED BY

SHELL OIL COMPANY

DATE 6-26-58

SCALE 1" = 1000'

FILE NO. Z- 20-042

LOCATION OF TOHONADLA 41-35
SAN JUAN COUNTY, UTAH - SEC. 35, T41S, R21E, S.L.B.M.

July 25, 1958

Shell Oil Company
101 South Behrend
Farmington, New Mexico

Attention: B. W. Shepard, Exploitation Engineer

Gentlemen:

With reference to our telephone conversation of this date with Mr. McAllister of your office, this letter is to confirm our verbal approval to drill Well No. Tohonadla 41-35, 4620 feet from the south line and 660 feet from the east line of Section 35, Township 41 South, Range 21 East, S1BM, San Juan County, Utah.

This approval terminates within 90 days if the above mentioned well is not spudded in within said period.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
SECRETARY

CHF:en

cc: Phil McGrath
UECS, Farmington,
New Mexico

W
0

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

		X
35		

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal lands

Lease No. 14-20-603-229

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 REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	X
NOTICE OF INTENTION TO ABANDON WELL			

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

August 7, 1958

Tohoadia

Well No. 41-35 is located 4620 ft. from N line and 660 ft. from E line of sec. 35

NE 35

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

41S

(Twp.)

21E

(Range)

S1E4

(Meridian)

Tohoadia

(Field)

San Juan

(County or Subdivision)

Utah

(State or Territory)

Kelly Bushing

The elevation of the ~~drilling~~ drilling above sea level is 4883.5 ft.

DETAILS OF WORK

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

Spudded 7-24-58

7-24-58

Cemented 13-3/8" conductor casing at 44' with 40 sacks cement.

7-25-58

Ran and cemented 8-5/8" 20#, J-55 casing at 655' with 200 sacks Dianix followed by 200 sacks cement treated with 2% calcium chloride. Good returns to surface - cemented settled back. Cemented around outside of casing with 25 sacks cement. Flanged up and waited on cement. Pressure tested casing and BOP with 700 psi, OK.

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

Company Shell Oil Company

Address 705 West Municipal Drive

Farmington, New Mexico

Original signed by
R. W. SHEPARD

By B. W. Shepard
Title Exploitation Engineer

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

			X

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal Lands

Lease No. 14-20-603-229

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.....	X
NOTICE OF INTENTION TO ABANDON WELL.....		

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

August 7, 1958

Tobosadla

Well No. 41-35 is located 4620 ft. from [N] line and 660 ft. from [E] line of sec. 35

NE 35

(¼ Sec. and Sec. No.)

41S

(Twp.)

21E

(Range)

SLM

(Meridian)

Tobosadla

(Field)

San Juan

(County or Subdivision)

Utah

(State or Territory)

Kelly Bushing

The elevation of the ~~destination~~ above sea level is 4883.5 ft.

DETAILS OF WORK

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

Spudded 7-24-58

7-24-58

Cemented 13-3/8" conductor casing at 44' with 40 sacks cement.

7-25-58

Ran and cemented 2-5/8" 28#, J-55 casing at 655' with 200 sacks
Dianix followed by 200 sacks cement treated with 2% calcium
chloride, Good returns to surface - cemented settled back,
Cemented around outside of casing with 25 sacks cement. Flanged
up and waited on cement, Pressure tested casing and BOP with 700
psi, OK,

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

Company Shell Oil Company

Address 705 West Municipal Drive

Farmington, New Mexico

By

B. W. Shepard

Title Exploitation Engineer

Original signed by
B. W. SHEPARD

Handwritten initials

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal Lands

Lease No. 14-20-603-229

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 REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	I
NOTICE OF INTENTION TO ABANDON WELL			

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

August 21, 1958

19

Tohonadla
Well No. 41-35 is located 4620 ft. from S line and 660 ft. from E line of sec. 35

NE 35 (1/4 Sec. and Sec. No.) 41S (Twp.) 21E (Range) S1EM (Meridian)
Tohonadla (Field) San Juan (County or Subdivision) Utah (State or Territory)

Kelly Bunting
The elevation of the ~~druck~~ above sea level is 4884 ft.

DETAILS OF WORK

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

8-15-58 DST/A 5250-5304 used 60' air cushion. Initial shut in 30 minutes open 2 hours moderate blow decreasing to weak in 1/2 hour. Gas to surface 3-1/2 minutes. Shut in 30 minutes - recovered 1150' (10.5 B); 500' salt water (19,900 ppm NaCl), 150' mud, and 500' very gassy muddy oil ISIP 1800, IFP 200, FFP 600, PSIP 1700, HP 2500.

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

Company Shell Oil Company

Address 705 West Municipal Drive

Farmington, New Mexico

Original signed by
By B. W. SHEPARD

Title Exploitation Engineer

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

		X
	35	

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal Lands

Lease No. 14-20-603-229

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
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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.....	X
NOTICE OF INTENTION TO ABANDON WELL.....		

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

August 21, 1958

Tohonadla
Well No. 41-35 is located 4620 ft. from S line and 660 ft. from E line of sec. 35

NE 35 (1/4 Sec. and Sec. No.) 41S (Twp.) 21E (Range) S1EM (Meridian)
Tohonadla (Field) San Juan (County or Subdivision) Utah (State or Territory)

The elevation of the Kelly Bunting ~~depth~~ above sea level is 4884 ft.

DETAILS OF WORK

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

8-15-58 DST#1 5250-5304 used 60' air cushion. Initial shut in 30 minutes open 2 hours moderate blow decreasing to weak in 1/2 hour. Gas to surface 3-1/2 minutes. Shut in 30 minutes - recovered 1150' (10.5 B); 500' salt water (19,900 ppm NaCl), 150' mud, and 500' very gassy muddy oil ISIP 1800, IFF 200, FFF 600, PSIP 1700, HP 2500.

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

Company Shell Oil Company

Address 705 West Municipal Drive

Barrrington, New Mexico

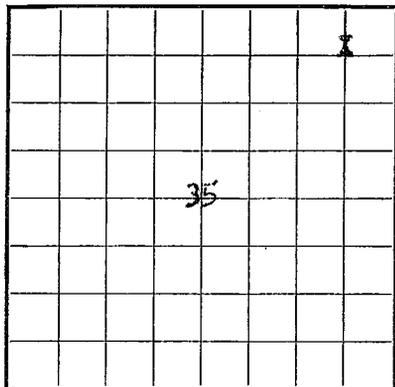
Original signed by
B. W. SHEPARD

By _____

Title Exploitation Engineer

12/21

U. S. LAND OFFICE Tribal Lands
SERIAL NUMBER 14-20-603-229
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

2-H
1-12

LOG OF OIL OR GAS WELL

Company Shell Oil Company Address 705 Municipal Drive, Farmington, N.M.
Lessor or Tract Tribal Field Tohonadla State Utah
Well No. 41-35 Sec. 35 T. 41S R. 21E Meridian SLBM County San Juan
Location 620 ft. {N.} of S. Line and 660 ft. {W.} of E. Line of Sec. 35 Elevation 4884 KB
(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.
Original signed by B. W. SHEPARD
Signed _____

Date December Title Exploitation Engineer

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

Commenced drilling July 24, 19 58 Finished drilling August 22, 19 58

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5251 to 5277 No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ 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—	
8-5/8"	28 1/2	---	---	645'	Baker	---	---	---	Surface
5-1/2"	14 1/2	---	---	5980'	Baker	---	---	5251-5277	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	655	225 Diamix + 200	Displacement	---	---
5-1/2"	6008	200	"		

PLUGS AND ADAPTERS

MARK

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

SHOOTING RECORD

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

TOOLS USED

Rotary tools were used from 0 feet to 6010 feet, and from --- feet to --- feet
 Cable tools were used from --- feet to --- feet, and from --- feet to --- feet

DATES

December 8, 1958 Put to producing November 11, 1958

The production for the first 24 hours was 192 barrels of fluid of which 79.2% was oil; ---% emulsion; 20.8% water; and ---% sediment. Gravity 88.6 approx. 41° API

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

Rock pressure, lbs. per sq. in.

EMPLOYEES Great Western Drilling Company

A. M. Kirk, Driller L. W. Rambo, Driller
 L. D. Hughes, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
1945	2047	102	Shinarump
2047	2178	131	Moenkopi
2178	4290	2112	Outler
4290	5314	1024	Hermosa
5314	--	--	Paradox

JAN 9 1959

ACQUISITION DEPARTMENT - OPERATIONS

RECORD WITH NEARLY 100

CONTRACT NO. DATE OF COMPLETION NAME OF OPERATOR LOCATION OF WELL DEPTH OF WELL

RECORD WITH NEARLY 100

16-43004-2 U. S. GOVERNMENT PRINTING OFFICE

HISTORY OF OIL OR GAS WELL

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 bailing.

DATE OF COMPLETION NAME OF OPERATOR LOCATION OF WELL DEPTH OF WELL

Attached: Drilling History

Table with columns for Date of Completion, Name of Operator, Location of Well, and Depth of Well. Entries include 20' 3' 1900, 20' 1' 1900, 20' 8' 1900, 20' 3' 1900, 20' 1' 1900.

DATE OF COMPLETION NAME OF OPERATOR LOCATION OF WELL DEPTH OF WELL

Comments on drilling... The number of the page is for the completion of the well in 1900.

By W. SHEPARD, District Engineer... The information shown on this card is a comparison and between records of the well...

Empty grid table with 10 columns and 10 rows.

STATE OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR

Division of Geological and Geophysical Research, Bureau of Mines, U.S. Geological Survey

DRILLING REPORT
FOR PERIOD ENDING

35

(SECTION OR LEASE)

Tohonadla

(FIELD)

San Juan, Utah

(COUNTY)

11-8-58

THIS R21E

(TOWNSHIP OR RANGE)

DAY	DEPTHS		REMARKS
	FROM	TO	
8-28	6010 5281	TD PBTD	Moved in completion rig. Set cast iron bridge plug at 5281. Perforated four 1/2" holes/ft. 5251-5277'.
8-29			Ran tubing to 5280'. Washed perforations with 500 gal mud acid. Circulated acid out. Set packer on tubing at 5247', swabbed 15 bbls. load water in 1 hour.
8-30			Swabbed 5 hours, recovered 15 bbls. oil and 15 bbls. water.
8-31			Pulled tubing and packer. Acidized with 1000 gal regular acid and 1000 gal retarded acid overflushed with 1000 gal water. Maximum pressure 2000 psi, minimum pressure 1700 psi, average injection rate 2 bbl/min. pressure bled to "0" in 15 minutes. In 4 hours swabbed 110 bbls. load water and 6 bbls. oil, next four hours swabbed 36 bbls. oil and 36 bbls. salt water, fluid level 1800'.
9-1 to 9-2			Ran rods and pump, ran tubing to 5280' with perforations 5245 to 49', seating nipple - 5244'.
9-3 11-7			Pumped and tested well.
11-8			INITIAL PRODUCTION Pumped 24 hours, 192 B/D gross, 152 B/D oil, cut 20.8%, no gas measurement. Completed 11-8-58.

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
DRILL PIPE SIZES				

B. W. Shepard

BWS

SIGNED

DRILLING REPORT
FOR PERIOD ENDING

Tohonadla
(FIELD)
San Juan, Utah
(COUNTY)

8-24-58

35
(SECTION OR LEASE)
T41S R21E
(TOWNSHIP OR RANGHO)

DAY	DEPTH		REMARKS
	FROM	TO	
			Location: 4620 ⁿ N and 660 ^w W of SE Corner Sec. 35, T41S, R21E, SLBM San Juan County, Utah
			Elevations: DF 4882.3 ^o GR 4873.9 ^o KB 4883.5 ^o
7-25 to 7-26	0	700	Spudded 2:00 A.M. 7-24-58. Cemented 13-3/8" conductor pipe at 44' with 40 sacks cement. Drilled to 658'. Ran and cemented (645') 8-5/8", 28# J-55 casing at 655' with 200 sacks 1:1 Diamix followed by 200 sacks cement all treated with 2% calcium chloride. Good returns to surface. Cement settled back around casing at surface. Recement from surface with 25 sacks Diamix treated with 2% calcium chloride. Flanged up and waited on cement. Pressure tested casing and BOP with 700 psi, OK.
7-27 to 8-11	700	5193	Drilled 4493'.
8-12 to 8-14	5193	5304	Drilled 23'. Cored 88'. Core #1 5216-5230'. Core #2 5230-5282', Core #3 5282-5304'.
8-15	5304	5362	Drilled 58'. DST #1 5250-5304'. Cook testers, two 6-5/8" packers at 5243' and 5249', 54' of tail, 1" surface bean and 3/4" subsurface bean, used 60' air cushion (two pressure recorders - Amerada at 5398' and 5303'. Initial shut-in 42 minutes, open 2 hours, final shut-in 30 minutes. Immediate moderate blow decreasing to weak in 1/2 hour - weak to dead remainder of test, GTS 3-1/2 min. Recovered 500' salt water 150' mud and 500' oil. ISIP 1895, IFP 160, FFP 630, FSIP 1665, HP 2580/2565.
8-16 to 8-21	5362	5994	Drilled 632'.

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
DRILL PIPE SIZES				

B. W. Shepard

SIGNED

DRILLING REPORT

FOR PERIOD ENDING

Tohonadla

(FIELD)

San Juan, Utah

(COUNTY)

8-24-58

35

(SECTION OR LEASE)

T41S R21E

(TOWNSHIP OR RANGE)

DAY	DEPTHS		REMARKS
	FROM	TO	
			Location: 4620 ⁰⁰ N and 660 ⁰⁰ W of SE Corner Sec. 35, T41S, R21E, SLBM San Juan County, Utah Elevations: DF 4882.3 ⁰ GR 4873.9 ⁰ KB 4883.5 ⁰
7-25 to 7-26	0	700	Spudded 2:00 A.M. 7-24-58. Cemented 13-3/8" conductor pipe at 44' with 40 sacks cement. Drilled to 658'. Ran and cemented (645') 8-5/8", 28# J-55 casing at 655' with 200 sacks 1:1 Diamix followed by 200 sacks cement all treated with 2% calcium chloride. Good returns to surface. Cement settled back around casing at surface. Recement from surface with 25 sacks Diamix treated with 2% calcium chloride. Flanged up and waited on cement. Pressure tested casing and BOP with 700 psi, OK.
7-27 to 8-11	700	5193	Drilled 4493'.
8-12 to 8-14	5193	5304	Drilled 23'. Cored 88'. Core #1 5216-5230'. Core #2 5230-5282', Core #3 5282-5304'.
8-15	5304	5362	Drilled 58'. DST #1 5250-5304'. Cook testers, two 6-5/8" packers at 5243' and 5249', 54' of tail, 1" surface bean and 3/4" subsurface bean, used 60' air cushion (two pressure recorders - Amerada at 5398' and 5303'. Initial shut-in 42 minutes, open 2 hours, final shut-in 30 minutes. Immediate moderate blow decreasing to weak in 1/2 hour - weak to dead remainder of test, GTS 3-1/2 min. Recovered 500' salt water 150' mud and 500' oil. ISIP 1895, IFP 160, FFP 630, FSIP 1665, HP 2580/2565.
8-16 to 8-21	5362	5994	Drilled 632'.

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		

DRILL PIPE SIZES

B. W. Shepard

SIGNED

DRILLING REPORT

FOR PERIOD ENDING

8-24-58

35

(SECTION OR LEASE)

THIS R21E

(TOWNSHIP OR RANGE)

Tohonadla

(FIELD)

San Juan, Utah

(COUNTY)

DAY	DEPTH		REMARKS
	FROM	TO	
8-22 to 8-23	5994	6010	Drilled 16'. Ran Induction-Electrical Survey, Gamma Ray-Neutron Log and Microlog. DST #2 5942-6010', Haliburton Testers. Used two 6-5/8" packers at 5938 and 5942', 68' of tail perforations 5943 to 5978', 1" surface bean and 1" subsurface bean. Used 30' air cushion. Three pressure recorders, T at 5928', T at 5975' and Amerada at 6008'. Initial shut-in 30 minutes. Open two hours, final shut-in 1-1/2 hours. Immediate medium strong blow decreasing to fair. Recovered 330' total fluid, including 60' slightly gas cut mud, 180' heavily oil and gas cut mud, 30' gas and oil cut mud and 60' slightly muddy water. ISIP 1891, IFP 66, FFP 222, FSIP 1631, HP 2878/2857.
8-24	6010	TD	Ran and cemented (5998') 5-1/2" 14#, J-55 casing at 6008' with 200 sacks cement, final pressure 1500 psi. Released rig 5:00 P.M. 8-24-58. Checked BOP daily Mud Summary wt. 9.2 - 9.6#/gal vis. 35 - 50 sec. SL 8.4 - 28 cc FC 1-2/32

Contractor: Great Western Drlg. Co.
Drillers: A. W. Kirk
L. D. Hughes
L. W. Rambo

CONDITION AT BEGINNING OF PERIOD				
HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
12-1/4"	0	658	8-5/8"	655'
7-7/8"	658	6010	5-1/2"	6008'
DRILL PIPE SIZES			4-1/2"	

B. W. Shepard

BWS
SIGNED

SHELL OIL COMPANY

Tohonadla

WELL NO. 41-35Tohonadla

(FIELD)

San Juan, Utah

(COUNTY)

DRILLING REPORT

FOR PERIOD ENDING

11-8-5835

(SECTION OR LEASE)

T1S R21E

(TOWNSHIP OR RANGE)

DAY	DEPTH		REMARKS
	FROM	TO	
8-28	6010 5281	TD PBTD	Moved in completion rig. Set cast iron bridge plug at 5281. Perforated four 1/2" holes/ft. 5251-5277'.
8-29			Ran tubing to 5280'. Washed perforations with 500 gal mud acid. Circulated acid out. Set packer on tubing at 5247', swabbed 15 bbls. load water in 1 hour.
8-30			Swabbed 5 hours, recovered 15 bbls. oil and 15 bbls. water.
8-31			Pulled tubing and packer. Acidized with 1000 gal regular acid and 1000 gal retarded acid overflushed with 1000 gal water. Maximum pressure 2000 psi, minimum pressure 1700 psi, average injection rate 2 bbl/min. pressure bled to "0" in 15 minutes. In 4 hours swabbed 110 bbls. load water and 6 bbls. oil, next four hours swabbed 36 bbls. oil and 36 bbls. salt water, fluid level 1800'.
9-1 to 9-2			Ran rods and pump, ran tubing to 5280' with perforations 5245 to 49', seating nipple - 5244'.
9-3			Pumped and tested well.
11-7			
11-8			INITIAL PRODUCTION Pumped 24 hours, 192 B/D gross, 152 B/D oil, cut 20.8%, no gas measurement. Completed 11-8-58.

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
DRILL PIPE SIZES				

E. W. Shepard

BWS
SIGNED

EL

SHELL OIL COMPANY

WEEK ENDING _____

CORE RECORD

AREA OR FIELD Tohonadla

CORE FROM _____ TO _____

COMPANY Shell Oil

CORES EXAMINED BY _____

LEASE AND WELL NO. 41-35

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATION:
							OIL-GAS
							CORE OR DIT
1	5216	5230	13				
	5216	5226	10	Dolomite dark brown to black, III/IXF-VFA			
	5226	5230	3	Dolomite as above III/I VFA, silty.			
2	5230	5282	52				
	5230	5242	12	Limestone dark gray to black, I/IIIXF-VFA, argillaceous.			
	5242	5253	11	Limestone light gray, I VFA, argillaceous.			
	5253	5282	9	Limestone light gray, III/I B ₁₋₅ , C ₁₋₅ , D ₁₋₃ . Generally oil stained in pores and vugs, occasional bleeding oil, strong petroleum odor.			
3	5282	5303.4	21.4				
	5282	5292	10	Limestone, IVFA with vuggy C&D porosity.			
	5292	5303.4	11.4	Limestone, IVFA			

SYMBOLS: C-CLAY OR SHALE (SAND 0-5%). 1-CLAY OR SHALE WITH SAND STREAKS (SAND 5-25%). 2-CLAY OR SHALE AND SAND (SAND 25-60%). 3-SAND WITH SHALE STREAKS (SAND 60-90%). 5-SAND (90-100%).
NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND.

DRILLING REPORT

FOR PERIOD ENDING

8-24-58

35

(SECTION OR LEASE)

T41S R21E

(TOWNSHIP OR RANGE)

Tohonadla

(FIELD)

San Juan, Utah

(COUNTY)

DAY	DEPTH		REMARKS
	FROM	TO	
8-22 to 8-23	5994	6010	Drilled 16'. Ran Induction-Electrical Survey, Gamma Ray-Neutron Log and Microlog. DST #2 5942-6010', Haliburton Testers. Used two 6-5/8" packers at 5938 and 5942', 68' of tail perforations 5943 to 5978', 1" surface bean and 1" subsurface bean. Used 30' air cushion. Three pressure recorders, T at 5928', T at 5975' and Amerada at 6008'. Initial shut-in 30 minutes. Open two hours, final shut-in 1-1/2 hours. Immediate medium strong blow decreasing to fair. Recovered 330' total fluid, including 60' slightly gas cut mud, 180' heavily oil and gas cut mud, 30' gas and oil cut mud and 60' slightly muddy water. ISIP 1891, IFP 66, FFP 222, FSIP 1631, HP 2878/2857.
8-24	6010	TD	Ran and cemented (5998') 5-1/2" 14#, J-55 casing at 6008' with 200 sacks cement, final pressure 1500 psi. Released rig 5:00 P.M. 8-24-58. Checked BOP daily Mud Summary wt. 9.2 - 9.6#/gal vis. 35 - 50 sec. SL 8.4 - 28 cc FC 1-2/32

Contractor: Great Western Drlg. Co.
 Drillers: A. W. Kirk
 L. D. Hughes
 L. W. Rambo

CONDITION AT BEGINNING OF PERIOD				
HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
12-1/4"	0	658	8-5/8"	655'
7-7/8"	658	6010	5-1/2"	6008'
DRILL PIPE SIZES			4-1/2"	

B. W. Shepard

SIGNED *BWS*

SHELL OIL COMPANY

WEEK ENDING _____

CORE RECORD

AREA OR FIELD Tohonadla

CORE FROM _____ TO _____

COMPANY Shell Oil

CORES EXAMINED BY _____

LEASE AND WELL NO. 41-35

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATION
							OIL-GAS
							CORE OR DIT
1	5216	5230	13				
	5216	5226	10	Dolomite dark brown to black, III/IXF-VFA			
	5226	5230	3	Dolomite as above III/I VFA, silty.			
2	5230	5282	52				
	5230	5242	12	Limestone dark gray to black, I/IIIXF-VFA, argillaceous.			
	5242	5253	11	Limestone light gray, I VFA, argillaceous.			
	5253	5282	9	Limestone light gray, III/I B ₁₋₅ , C ₁₋₅ , D ₁₋₃ . Generally oil stained in pores and vugs, occasional bleeding oil, strong petroleum odor.			
3	5282	5303.4	21.4				
	5282	5292	10	Limestone, IVFA with vuggy C&D porosity.			
	5292	5303.4	11.4	Limestone, IVFA			

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

			X
	35		

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Trinal Lands

Lease No. 12-31-60

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	X
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING 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	Completion Notice	X

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

November 11, 1958

Tohonadla
Well No. 41-35 is located 4620 ft. from S line and 660 ft. from W line of sec. 35

NE 35 41S 21E SLBM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Tohonadla San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~5112~~ 5112 above sea level is 4834 ft.

DETAILS OF WORK

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

- 8-24-58 Ran and cemented (5938') 5-1/2", 11#, J-55 casing at 6008' with 200 sacks cement.
- 8-28-58 Set cast iron bridge plug at 5281. Perforated four 1/2" holes/ft. 5251-5277.
- 8-29-58 Washed perforations with 500 gal. mud acid, injected 1000 gal. regular acid and 1000 gal. retarded acid, maximum pressure 2000, minimum pressure 1700, average rate 2 bbl/min.
- 8-31-58 Ran tubing to 5280, pump and rods
- 9-1-58 Pumped and tested.
- 9-2-58 to
- 11-7-58
- 11-8-58 INITIAL PRODUCTION: Pumped 24 hours, 192 B/D gross, 152 B/D oil, cut 20.8%. Completed 11-8-58.

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

Company Shell Oil Company

Address 705 W. Municipal Drive
Farmington, New Mexico

Original signed by
B. W. SHEPARD
By B. W. Shepard
Title Exploitation Engineer

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

			X
	35		

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Triocal Lands

Lease No. 1-2-3-200

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	X
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING 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	Completion Notice	X

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

November 11

, 1958

Tohonadla

Well No. 41-35 is located 4620 ft. from S line and 660 ft. from E line of sec. 35

NE 35

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

11S

(Twp.)

21E

(Range)

SLEW

(Meridian)

Tohonadla

(Field)

San Juan

(County or Subdivision)

Utah

(State or Territory)

Kelly Bushing

The elevation of the ~~3112.65~~ above sea level is 4384 ft.

DETAILS OF WORK

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

- 8-24-58 Ran and cemented (5998') 5-1/2", 11#, J-55 casing at 6008' with 200 sacks cement.
- 8-28-58 Set cast iron bridge plug at 5281. Perforated four 1/2" holes/ft. 5251-5277.
- 8-29-58 Washed perforations with 500 gal. mud acid, injected 1000 gal. regular acid and 1000 gal. retarded acid, maximum pressure 2000, minimum pressure 1700, average rate 2 bbl/min.
- 8-31-58
- 9-1-58 Ran tubing to 5280, pumps and rods
- 9-2-58 Pumped and tested.
- to
- 11-7-58
- 11-8-58 INITIAL PRODUCTION: Pumped 24 hours, 192 B/D gross, 152 B/D oil, cut 20.8%. Completed 11-8-58.

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

Company Shell Oil Company

Address 705 W. Municipal Drive
Farmington, New Mexico

Original signed by
E. W. SHEPARD

By _____
E. W. Shepard
Title Exploitation Engineer

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

		<input checked="" type="checkbox"/>
	35	

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal Lands

Lease No. 14-20-60-229

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 REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING 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			
<input checked="" type="checkbox"/> <u>rec condition</u>	<input checked="" type="checkbox"/>		

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

JUN 9 1959, 19

Well No. 41-35 is located 4020 ft. from N line and 600 ft. from E line of sec. 35
35 (1/4 Sec. and Sec. No.) 41N (Twp.) 21E (Range) 111M (Meridian)
Johnsvalle (Field) San Juan (County or Subdivision) Utah (State or Territory)

The elevation of the ~~water level~~ Kellyushing above sea level is 4084 ft.

DETAILS OF WORK

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

Status: Total depth 6010'
5281'
 Casing: 5 1/2" Cemented at 5281'
 Completed: 3-5-58 running 152 1/2" oil, out 20.8% through perforations 5251-5277'. Pumping 33 1/2" on 4-30-59.

- Enclosed Work:**
1. Drill out bridge plug at 5281'.
 2. Perforate four 1/2" h 10/11. 5320-5324, 5330-5335, 5340-5345, 5350-5355.
 3. Acidize with 4000 gallons.
 4. Flow well in production, est. high initial rate.

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

Company Hall Oil Company

Address 705 West Municipal Drive
Huntington, Colorado

Original signed by
B. W. SHEPARD
 By B. W. Shepard
 Title Executive Engineer

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

		X
35		

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal Lands

Lease No. 14-20-603-229

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 REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING 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			
Recondition	X		

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

JUN 9 1959

, 19

TOHONADLA

Well No. 41-35 is located 4620 ft. from S line and 660 ft. from E line of sec. 35

NE 1/4 35

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

41S

(Twp.)

21E

(Range)

SLM

(Meridian)

Tohonadla

(Field)

San Juan

(County or Subdivision)

Utah

(State or Territory)

Kellyushing

The elevation of the ~~surface~~ above sea level is 4884 ft.

DETAILS OF WORK

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

Status: Total Depth 6010'
 MID: 5281'
 Casing: 5/8 Cemented at 6008'
 Completed: 11-8-58 Pumping 152 B/D oil, out 20.8% through perforations
 5251-5277'. Pumping 33 B/D on 4-30-59.

Proposed Work:

1. Drill out bridge plug at 5281'.
2. Perforate four 1/2" h. loc./ft. 5328-5334, 5336-5342, 5344-5350 and 5352-5358.
3. Acidize with 4000 gallons.
4. Place well in production, establish initial rate.

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

Company Shell Oil Company

Address 705 West Municipal Drive

Burlington, New Mexico

Original signed by
B. W. SHEPARD

By B. W. Shepard

Title Explicitation Engineer

(SUBMIT IN TRIPLICATE)

Indian Agency New Mexico

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal lands

Lease No. 14-20-603-320

SUNDRY NOTICES AND REPORTS ON WELLS

Shepard

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 REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	<u>Subsequent report of recompletion</u>	<input checked="" type="checkbox"/>

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

September 30, 1959

Well No. 41-35 is located 4600 ft. from N line and 660 ft. from E line of sec. 35

NE 35 (1/4 Sec. and Sec. No.) 410 (Twp.) 21E (Range) 51E (Meridian)
Tobosco (Field) San Juan (County or Subdivision) New Mexico (State or Territory)

The elevation of the Kelly Machine derrick floor above sea level is 4944 ft.

DETAILS OF WORK

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

- 8-6-59 Drilled out bridge plug at 5251'
- 8-7-59 Perforated four 1/2" holes 5328-34, 5334-45, 5348-58 and 5384-96. Washed perforations with 200 gal. mud acid.
- 8-8-59 Set packer at 5310 - Swabbed 33 bbls. oil - dry.
- 8-9-59 Acidized with 2000 gal. regular and 2000 gal. retarded acid. Overflushed with 2000 gal. oil. Recompleted 8-11-59. Representative initial production, 39 bbl gross, 35 bbl clean, cut 10.2 percent.

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

Company Shell Oil Company

Address Post Office Box 150

Farmington, New Mexico

Original signed by
E. W. SHEPARD

By _____

Title E. W. Shepard
Exploitation Engineer

26

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal Lands

Lease No. 14-20-603-220

		X
	35	

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 REDRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF REDRILLING 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 recompletion	X

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

September 30, 1959

Well No. Tohonacla 41-35 is located 4620 ft. from 413 line and 660 ft. from 21E line of sec. 35

NE 35
(1/4 Sec. and Sec. No.)

413
(Twp.)

21E
(Range)

21E
(Meridian)

Tohonacla
(Field)

San Juan
(County or Subdivision)

Utah
(State or Territory)

The elevation of the ~~derick~~ Kelly Bushing floor above sea level is 4884 ft.

DETAILS OF WORK

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

- 8-6-59 Drilled out bridge plug at 5281'
- 8-7-59 Perforated four 1/2" holes 5328-34, 5338-45, 5348-58 and 5386-96. Washed perforations with 200 gal. mud acid.
- 8-8-59 Set packer at 5310 - Stabbed 33 bbls. oil - dry.
- 8-9-59 Acidized with 2000 gal. regular and 2000 gal. retarded acid. Overflushed with 2000 gal. oil. Recompleted 8-11-59. Representative initial production, 39 B/D gross, 35 B/D clean, cut 10.2 percent.

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

Company Shell Oil Company

Address Post Office Box 150

Farmington, New Mexico

Original signed by
B. W. SHEPARD

By _____

Title B. W. Shepard
Exploitation Engineer

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN THIS CATEGORY*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-229

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Tohonadla

9. WELL NO.

41-35

10. FIELD AND POOL, OR WILDCAT

Tohonadla

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

Sec. 35, T. 41 S., R. 21 E. S.L.B.M.

12. COUNTY OR PARISH

San Juan

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

Shell Oil Company

3. ADDRESS OF OPERATOR

P. O. Box 999, Bakersfield, California

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

4620' north and 660' West of the southeast corner of Section 35, T. 41 S., R. 21 E., S.L.B.M., San Juan County Utah.

14. PERMIT NO.

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

K.B. 4883.5', Gr. 4873.9'

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 PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(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.)*

- Perforate 4 holes/ft. in the following intervals: 5803'-5811', 5841'-5846', 5854'-5860', 5872'-5876', 5920'-5923', 5927'-5930', 5967'-5981'.
- Reperforate intervals 5338'-5345' and 5388'-5396'.
- Acidize intervals 5967'-5981', 5803'-5930', 5328'-5396', and 5251'-5277'.
- Place well on production.

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

Orig. signed by W. D. Shepherd

SIGNED for F. D. Covey

TITLE

Division Exploitation Engr. DATE August 19, 1966

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

October 21, 1966

Shell Oil Company
P. O. Box 999
Bakersfield, California

Re: Well No. Tohonadla 41-35
Sec. 35, T. 41 S., R. 21 E., San
San Juan County, Utah

Gentlemen:

Upon checking our files it was noted that we have not received the Subsequent Report of Shooting and Acidizing.

It would be greatly appreciated if we could receive said report as soon as possible.

Thank you for your cooperation with respect to this matter.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

SHARON CAMERON
RECORDS CLERK

SC:eam

Enclosures: OGCC-1b

6



SHELL OIL COMPANY

POST OFFICE BOX 999
BAKERSFIELD, CALIFORNIA 93301
NOV 4 1966

Re: Well No. Tohonadla 41-35
Sec. 35, T.41S., R.21E.
San Juan County, Utah

The State of Utah
Oil and Gas Conservation Committee
348 East South Temple Suite 310
Salt Lake City, Utah 84111

Gentlemen:

In regard to your letter of October 21, 1966, concerning a recompletion report on the above well, we do not as yet consider the well officially recompleted. The work has been performed but we are experiencing mechanical difficulties in pumping the well. As soon as we have established a representative initial rate, we will file the recompletion report.

Very truly yours,

BW Shepard
For F. D. Covey, Agent

**SHELL OIL COMPANY
RECONDITIONING
REPORT**

WELL NO. 41-35

Section 35
(SECTION OR LEASE)

Wobonads
FIELD

San Juan, Utah
COUNTY

8-31-66 to 9-3-66
FROM PERIOD TO

T. 41S. R. 21E. SLBM
(TOWNSHIP OR RANCHO)

DATE	REMARKS (SHOW SIZE AND TYPE TOOLS RUN)
	<p>Location: 4620' north and 660' west of the southeast corner of Section 35, T. 41S., R. 21E., SLBM, San Juan County, Utah.</p> <p>Elevation: Ground 4874', D.F. 4882', K.B. 4884'.</p> <p>Total Depth: 6010', plug 5990'.</p> <p>Casing: 8-5/8", 28# cemented at 655', 5-1/2", 14# cemented at 6008', perforated 5251-5277', 5328-5334', 5338-5345', 5348-5358', 5386-5396' with four bullet holes/ft.</p> <p>Status: March, 1966 pumping 3 BDO, cut 50%.</p> <p>Objective: Perforate new interval and acidize.</p>
Aug. 31	<p>Pulled rods and tubing. Ran gamma ray log, found bridge at 5979. With Schlumberger crack jets, perforated four holes/ft. 5803-5811', 5841-5846', 5854-5860', 5872-5876', 5920-5923', 5927-5930', reperforated 5338-5345', 5388-5396'.</p>
Sept. 1	<p>Pushed bridge plug to 5997'. Perforated 5250-5255', 5967-5981' with four holes/ft. Ran tubing with packer and bridge plug. <u>Set bridge plug at 5982', packer at 5955' with tail to 5981'.</u></p>
2	<p>Spotted 28% HCL acid on perfs. 5967-5981'. Acid went on vacuum, pumped 3000 gallons acid and 2000 gallons water, average pressure 0 psi, average rate, 8-1/2 Bbls/min. <u>Set bridge plug 5940', packer 5790'.</u> Pumped 6000 gallons 15% HCL acid and 2000 gallons water over flush, maximum pressure 2200 psi, average pressure 2100 psi, injection rate 4 Bbls/min., intermediate shut in pressure 1750 psi, shut in pressure after 15 minutes 1400 psi. Bled off. <u>Set bridge plug 5410', packer 5315'.</u> Pumped 2500 gallons 28% HCL acid and 2000 gallons water over flush, maximum pressure 500 psi, average pressure 500 psi, 8 Bbl/min. rate, immediate shut in pressure 0 psi. <u>Set bridge plug 5315', packer 5240'.</u> Pumped 3000 gallons 28% HCL acid, 2000 gallons water over flush, maximum pressure 600 psi, average 500 psi, 8-1/4 Bbl/min. rate, immediate shut in pressure 0 psi. <u>Set bridge plug 5981', packer 5955'.</u> Swabbed 53 Bbl in 3 hrs. Trace of oil on last run.</p>
3	<p>Swabbed a total of 204 Bbls gross, 8 Bbl oil (includes 53 Bbl swabbed on 9-3-66 report) At end of swab test, swabbing at rate of 16 Bbl/hr gross, 1-1/2 Bbl/hr. oil.</p>

CONDITION AT FIRST OF PERIOD			
HOLE			CASING SIZE
SIZE	FROM	TO	DEPTH SET

CONDITION BEFORE STARTING WORK (GROSS OUT ALL BUT APPROPRIATE ITEMS)	
DEPTH (ORIGINAL) _____	TOP PLUG (P) OR BRIDGE (B) _____
DEPTH LAST (RD. OR DE.) _____	TOP FISH (F) OR JUNK (J) _____
DEPTH PRESENT EFFECTIVE _____	BAD CSG. (C) OR LINER (L) _____

NOTE—IN ADDITION TO REPORTING ROUTINE RECONDITIONING OPERATIONS, USE THIS FORM FOR REPORTING THE FIRST INSTALLATION OF PUMPING EQUIPMENT (UNLESS WELL WAS ORIGINALLY COMPLETED ON THE PUMP), BAD CASING, FISH LEFT IN HOLE, ETC., THAT MAY OCCUR AS A RESULT OF PRODUCING OR SHUT DOWN OPERATIONS.

DRILL PIPE SIZES

B.W. Shepard
SIGNED

**SHELL OIL COMPANY
RECONDITIONING
REPORT**

WELL NO. 41-35

Section 35
(SECTION OR LEASE)

Tohonadla
FIELD

San Juan, Utah
COUNTY

9-4-66 to 9-29-66
FROM PERIOD TO

T. 41S., R. 21E., S1B1
(TOWNSHIP OR RANGE)

DATE	REMARKS (SHOW SIZE AND TYPE TOOLS RUN)
4	Pulled packer and bridge plug. Ran 2-1/2" tubing with packer set at 5955'. Ran pump and rods.
5	In 24 hrs. P 197 gross, 39 oil, cut 80%, all formations oil (Producing from TLH zone only).
6	P 188 gross, 19 oil, cut 90% (from TLH Zone).
7	Not gauged.
8	Two-day test averaged 180 B/D gross, 53 BDO, cut 70.6%.
9	No production. Pump trouble.
10-12	No report.
13	P 135 gross, 20 oil, cut 85.0%.
14	No report.
15	Average for 2-day test. P 53 B/D gross, 10 B/D oil, cut 82.1%.
16-18	No report.
19	Two-day test averaged 44 B/D gross, 5 BDO, cut 90.0%.
20-22	No report.
23	Waiting on pulling rig.
24-25	No report.
26	Pulled packer, running rods and tubing.
27	No test, blown fuse.
28	No test, motor trouble.
29	In 20 hrs. pumped 155 gross, 16 oil, cut 90.0%. All zones open, 5250-5981' at intervals. Daily Rate 180 gross, 18 oil, 90% cut.

CONDITION AT END OF PERIOD				CONDITION AFTER WORK (GROSS OUT ALL BUT APPROPRIATE ITEMS)	
HOLE		CASING SIZE	DEPTH SET		
SIZE	FROM	TO		DEPTH (ORIGINAL)	BRIDGE (B)
		8-5/8"	655'	<u>6010'</u>	<u>5997'</u>
		5-1/2"	6008', perforated at intervals 5250-5981'.	DEPTH LAST (RD. OR DE.) _____	TOP FISH (F) OR JUNK (J) _____
DRILL PIPE				DEPTH PRESENT EFFECTIVE <u>5997'</u>	BAD CAS. (G) OR LINER (L) _____

NOTE—IN ADDITION TO REPORTING ROUTINE RECONDITIONING OPERATIONS, USE THIS FORM FOR REPORTING THE FIRST INSTALLATION OF PUMPING EQUIPMENT (UNLESS WELL WAS ORIGINALLY COMPLETED ON THE PUMP), BAD CASING, FISH LEFT IN HOLE, ETC., THAT MAY OCCUR AS A RESULT OF PRODUCING OR SHUT DOWN OPERATIONS.

B.W. Shepard

SIGNED



SHELL OIL COMPANY

POST OFFICE BOX 999
BAKERSFIELD, CALIFORNIA 93301

FEB 8 1987

State of Utah
Oil and Gas Conservation
Commission
328 E. South Temple, Suite 301
Salt Lake City, Utah 84111

Attention Mr. Paul W. Burchell

Gentlemen:

Enclosed is one copy of the reconditioning history,
and recompletion report on our well, Tohonadla 41-35 at Tohonadla.

Very truly yours,

B W Shepard

For F. D. Covey
Division Exploitation Engineer
San Joaquin Division

Enclosures

h

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ALLOTTEE Navajo
TRIBE Navajo
LEASE NO. 14-20-603-229



LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County San Juan Field TOHONADLA

The following is a correct report of operations and production (including drilling and producing wells) for the month of September, 1975 Navajo No. 1

Agent's address 1860 Lincoln Street Company CONSOLIDATED OIL & GAS, INC.
Denver, Colorado 80203 Signed Haroldine Bergano

Phone (303) 255-1751 Agent's title Production Accountant

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. 35 SW SE	41S	21E	1	30	1,146	38.5	344	0	300	P	
Sec. 35 NE NW	41S	21E	23-35	30	419	38.5	71	0	80	P	
Sec. 35 SW NE	41S	21E	32-35	30	250	38.5	42	0	770	P	
Sec. 35 NE NE	41S	21E	41-35	0	0	--	0	0	0	TA	
Sec. 35 NE SE	41S	21E	43-35	0	0	--	0	0	0	TA	
Sec. 25 NE NE	41S	21E	41-25	30	139	38.5	42	0	0	P	
Sec. 35 SW NW	41S	21E	12-35	0	0	--	0	0	0	TA	
TOTALS					<u>1,954</u>		<u>499</u>		<u>1,150</u>		
GAS: (MCF)					OIL or CONDENSATE: (Barrels)			WATER: (Barrels)			
Sold				0	Sold			Disposition			
Vented/Flared				0	Used			Pit			
Used On lease				499	Unavoidably Lost			Injected			
Lost				0	Reason			Other			
Reason				—							

NOTE.—There were 2,050.60 runs or sales of oil; No M. cu. ft. of gas sold;

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Consolidated Oil & Gas, Inc.

3. ADDRESS OF OPERATOR
P.O. Box 2038, Farmington, N.M. 87499

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 660' FNL & 660' FEL
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

5. LEASE
14-20-603-229

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Tohonadla

9. WELL NO.
41-35

10. FIELD OR WILDCAT NAME
Desert Creek

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 35, T41S, R21E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
4874' GR

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF

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

RECEIVED
AUG 03 1983
DIVISION OF OIL, GAS & MINING

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

Consolidated Oil & Gas, Inc. requests approval to squeeze off perfs in the Desert Creek and Lower Ismay, and test 5-1/2" casing to prepare this well for water disposal into the Lower Paradox formation. The well last produced in June 1967.

No injection to occur without further approval.

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 8/2/83
BY: [Signature]

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED [Signature] TITLE Prod. & Drlg. Sup't. DATE August 5, 1983

(This space for Federal or State office use)

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



Consolidated Oil & Gas, Inc.

LINCOLN TOWER BUILDING
1860 LINCOLN STREET
DENVER, COLORADO 80295
(303) 861-5252

P.O. BOX 2038
FARMINGTON, NEW MEXICO 87499

August 12, 1983

STATE OF UTAH
Division of Oil, Gas & Mining
Room 4241, State Office Building
Salt Lake City, Utah
Attn: Gil Hunt

Dear Mr. Hunt,

Consolidated Oil & Gas, Inc. plans to work-over the Tohonadla #41-35. The well last produced in June 1967. Consolidated will convert the well from TA status to a water disposal well. Test the casing above the perforations. Squeeze off Desert Creek perms 5328-96' and the Lower Ismay perms 5250-77'. Drill out cement and pressure test casing. Run 2-7/8" tubing and 5-1/2" packer to 5750' and acidize the Lower Paradox perms from 5981-5803'. Dispose water in the Paradox.

Consolidated would like to file an application for approval of Class II injection well, Rule I-5.

- (a) Form DOGM-UIC-1 is attached.
- (b) (1) Plat of lease is attached.
 - (2) Form DOGM-UIC-2 waived as per Gil Hunt.
 - (1) Casing is protecting fresh H₂O. See diagram. Electric logs will be sent if your office doesn't have the logs on file.
 - (3) A schematic diagram of the well is attached with all data required.
 - (4) The injection of water into the Lower Paradox will not initiate fractures through the confining strata which will allow disposed water to contaminate fresh water zones. This zone was acidized with 3000 gal 15% acid when the well was originally completed. The AIR was

8½ bpm/o psi. There is also a 5353' intervening thickness between the zone to be injected into and the nearest fresh water zone.

(ii) The maximum injection rate will be 3½ bpm @ 0 psi surface. Injection fluid will be salt water into the Lower Paradox formation.

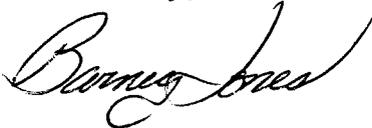
(5) Proposed operating data:

- (i) The designed injection rate will be no more than 3½ bpm, if the maximum amount of disposed water is injected (500 bpd). This rate will be regulated by a positive displacement pump. Surface treating pressure will be 0 psi. There will be a pressure relief pop-off valve installed on the surface and set for bleed off at 300#.
 - (ii) Lower Paradox 5803-76'. Injection fluid source will be produced H₂O from pumping oil wells. The fluid will be pumped from a 400 bbl tank at the central tank battery. The system will include automatic switches that turn the pump on and off with respect to the fluid level in the storage tank.
 - (iii) Water analysis is attached.
 - (iv) TD of well is 6010' in Lower Paradox is a. limestone, carbonates transition downward to gy shales, clay & red beds 178' thick 5796' to 5981'. The Paradox is confined from the top by the Barker Creek zone, a shale 208' thick from 5595' - 5803'.
 - (v) The Navajo is the nearest fresh water zone, 50' thick from 400-50', with an intervening thickness of 5353' between the fresh water zone to the injection zone.
 - (vi) Water analysis attached.
- (6) If the pump or well fail the injection system will be automated in a way as to shut down the injection system and produced water will be hauled from the tank battery.
- (7) N/A
- (8) The Division will be notified when work-over is completed and we start the injection process.
- (9) N/A

- (c) (1) The Paradox formation is not a source of drinking water.
- (2) It will not serve as a drinking water zone.
 - (a) It produces mineral water.
 - (b) It is situated at a depth that makes (a) equally impossible.
 - (c) The mineral content is such that human consumption is technologically impractical.
 - (d) N/A
 - (e) N/A

Your cooperation in expediting this application will be greatly appreciated. If you have any questions, please do not hesitate to call.

Sincerely,



BARNEY JONES
Drilling Foreman
Consolidated Oil & Gas, Inc.

BJ/ke
Attach.

TOHONADLA

27 C.O.G. 50 %

26 C.O.G. 50 %

C.O.G. ORR 5%
49-0918-00-03

P&A

25
41-25

C.O.G. 50%
43-0918-00-01

NAASO
TRIBE

TOHONADLA
TRIBE

45-0918-00-02

43-0918-00-02

TRIBE

TA

TOHONADLA
TRIBE

12-35

23-35

32-35

C.O.G. 50%
43-0918-00-01

41

C.O.G. 50%
43-0919-00

TRIBE

Petro 40%
Grace 10%

TOHONADLA PARTNERS

- PETRO LEWIS 27.5 %
- GRACE 10 %
- PHOENIX 12.5 % TRACT 2
- WEDCO 12.5 % TRACT 1

COMPANY Consolidated Oil & Gas Inc.

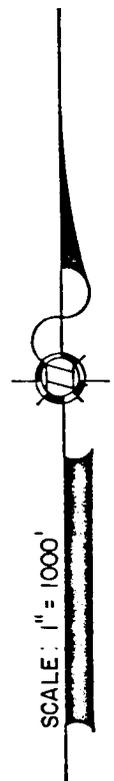
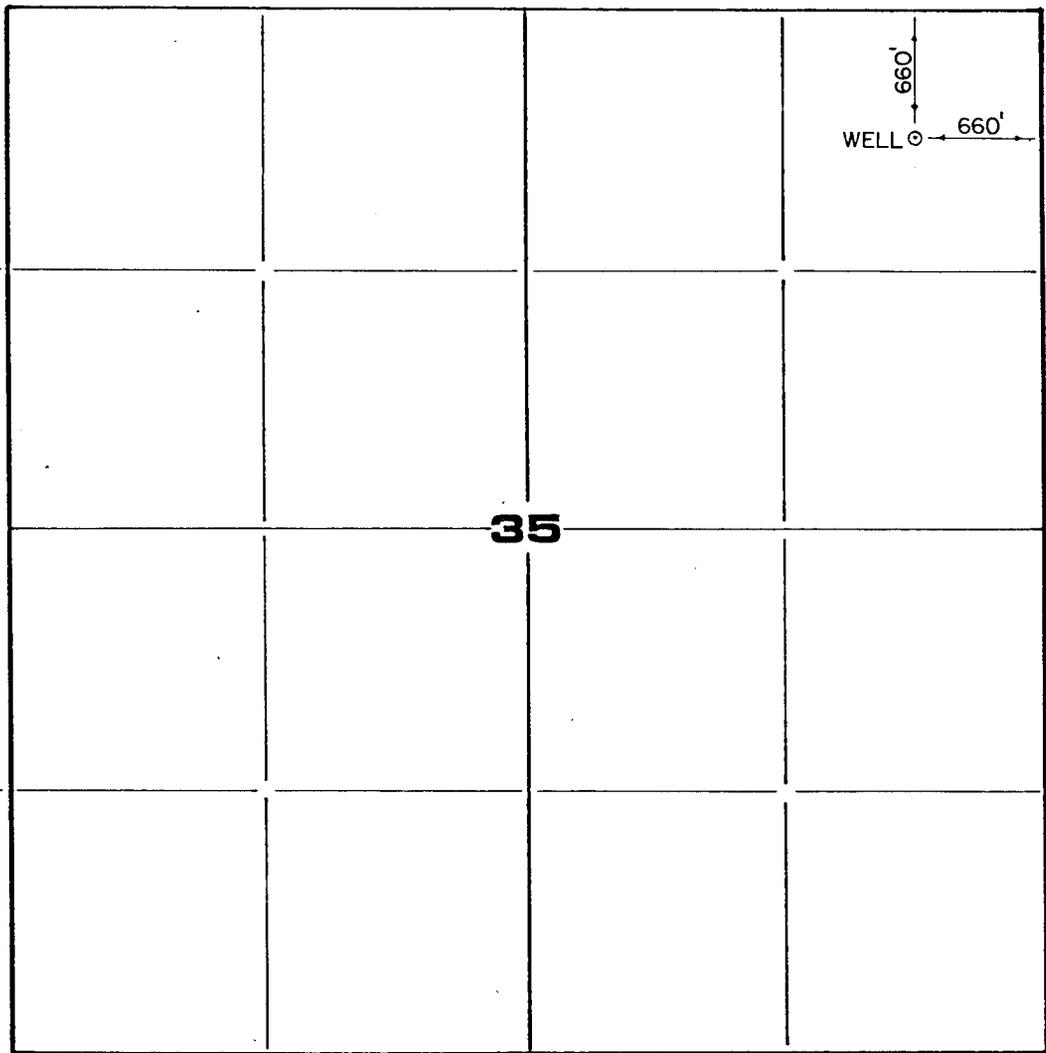
LEASE To-Ho-Na-Dla **WELL NO.** 41-35

SECTION 35 **T.** 41S **R.** 21E Salt Lake Meridian

LOCATION 660' from the North line; 660' from the East line

COUNTY San Juan **STATE** Utah

ELEVATION 4874

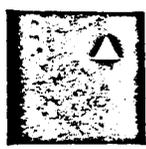


I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

8/10/83

Date

Lawrence A. Brewer
REGISTERED PROFESSIONAL ENGINEER
NO. 2366
STATE OF UTAH
REFERENCE
Registration No. ~~2366~~



LAWRENCE A. BREWER & ASSOCIATES INC.
ENGINEERS, ARCHITECTS, SURVEYORS
909 WEST APACHE STREET, FARMINGTON, NEW MEXICO

COMPANY Consolidated Oil & Gas Inc.

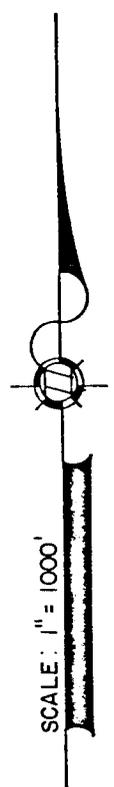
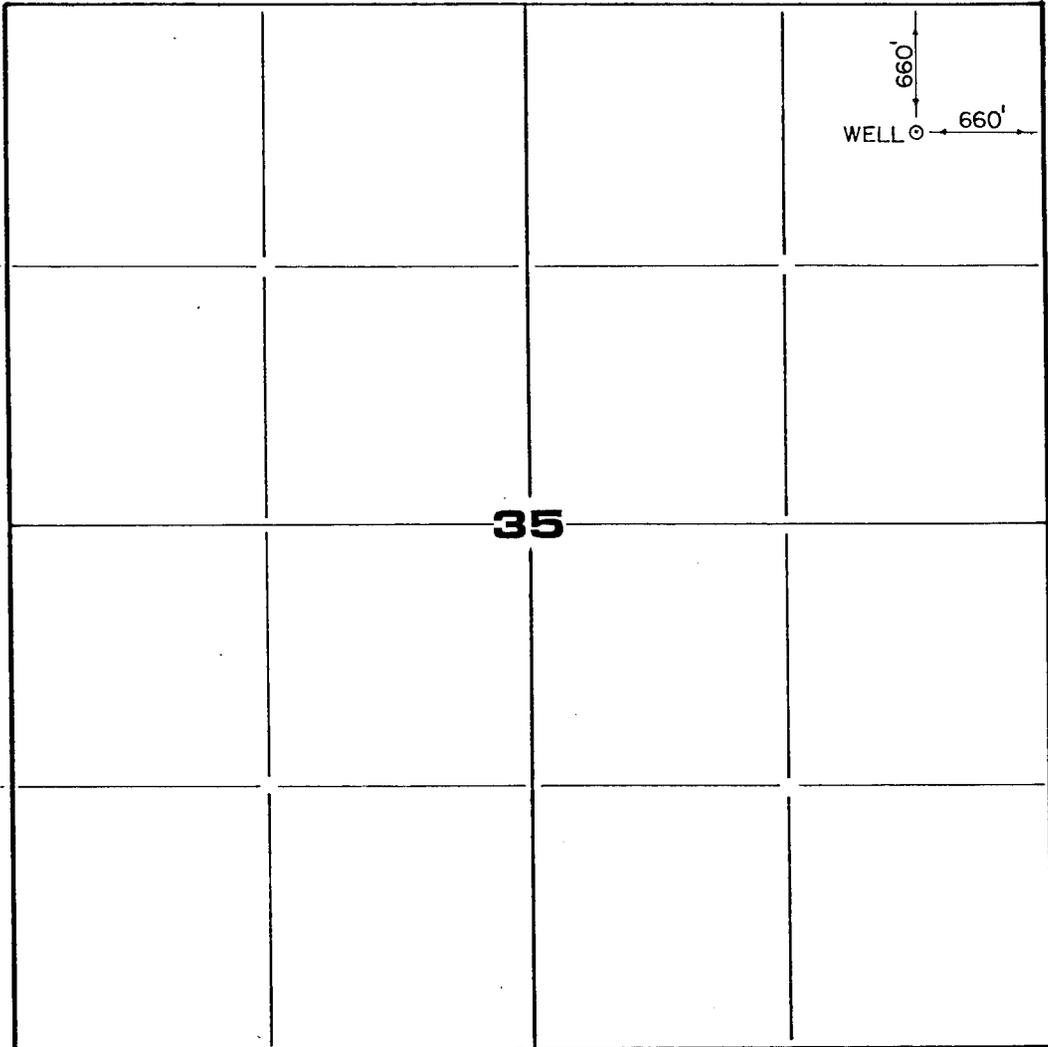
LEASE To-Ho-Na-Dla **WELL NO.** 41-35

SECTION 35 **T.** 41S **R.** 21E Salt Lake Meridian

LOCATION 660' from the North line; 660' from the East line

COUNTY San Juan **STATE** Utah

ELEVATION 4874

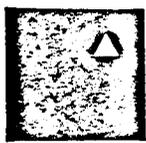


I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my knowledge and belief.

8/10/83

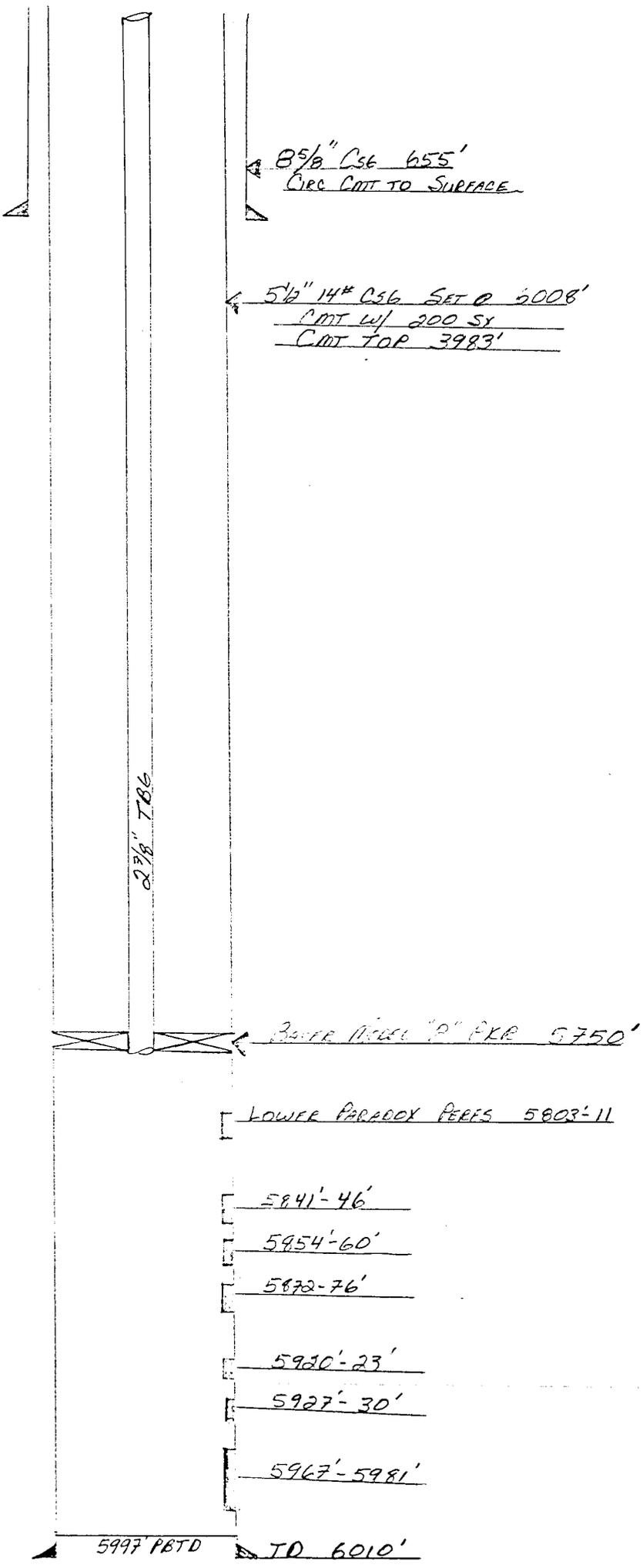
Date

[Handwritten Signature]
REGISTERED PROFESSIONAL SURVEYOR
NO. 2363
REGISTERED LAND SURVEYOR
Registration No. 2367
STATE OF UTAH



LAWRENCE A. BREWER & ASSOCIATES INC.
ENGINEERS, ARCHITECTS, SURVEYORS
909 WEST APACHE STREET, FARMINGTON, NEW MEXICO

TOM WAOLA 41-35
660' FAL & 660' FEL
SEC 35, T 41 S, R 21 E
SAN JUAN COUNTY, UTAH



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

Operator: Consolidated O&G Well No. Tohonadla 41-35
 County: San Juan T 41S R 21E Sec. 35 API# 43-037-15877
 New Well Conversion Disposal Well Enhanced Recovery Well

	YES	NO
UIC Forms Completed	<u>✓</u>	_____
Plat including Surface Owners, Leaseholders, and wells of available record	<u>✓</u>	_____
Schematic Diagram	<u>✓</u>	_____
Fracture Information	<u>✓</u>	_____
Pressure and Rate Control	<u>✓</u>	_____
Adequate Geologic Information	<u>✓</u>	_____
Fluid Source	<u>Prod. water</u>	_____
Analysis of Injection Fluid	Yes <u>✓</u> No _____	TDS <u>79034</u>
Analysis of Water in Formation to be injected into	Yes <u>✓</u> No _____	TDS <u>158,122</u>
Known USDW in area	<u>None</u>	Depth <u>400-450'</u>
Number of wells in area of review	<u>1</u> Prod. <u>1</u> P&A _____	Water _____ Inj. _____
Aquifer Exemption	Yes _____ NA <u>✓</u>	
Mechanical Integrity Test	Yes <u>✓</u> No _____	
	Date <u>9/13/83</u> Type <u>PT</u>	

Comments: Inj. zone is below prod. zone in this field, any breakthrough of water should show an increase in prod. water at prod. wells.

Reviewed by: ASJ

CAUSE NO. UIC-028

Notice has been sent to the following:

Newspaper Agency Corp.
San Juan Record

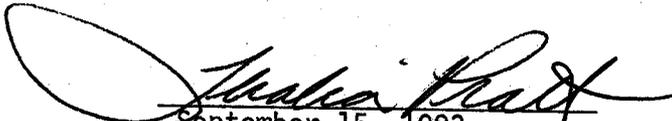
Consolidated Oil & Gas, Inc.
P.O. Box 2038
Farmington, NM 87499

Ut. Dept. of Health
Water Pollution Control
Attn: Jerry Riding
150 W.N. Temple
Salt Lake City, UT

U.S. Environmental Protection Agency
1860 Lincoln Street
Denver, CO 80295

Minerals Management Service
2000 Administration Bldg.
1745 West 1700 South
Salt Lake City, UT 84104

Navajo Indian Tribe
Window Rock AZ 85615


September 15, 1983

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

RECEIVED
 SEP 01 1993

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

IN THE MATTER OF THE APPLICATION OF
CONSOLIDATED OIL & GAS, INC.
 ADDRESS P.O. BOX 2038
FARMINGTON, NEW MEXICO ZIP 87499
 INDIVIDUAL PARTNERSHIP CORPORATION
 FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR
 INJECT FLUID INTO THE TOHONADLA 41-35 WELL
 SEC. 35 TWP. 41S RANGE 21E
SAN JUAN COUNTY, UTAH

41C-028
 CAUSE NO. DIVISION OF OIL, GAS & MINING

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

APPLICATION

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

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

Lease Name TOHONADLA	Well No. 41-35	Field TOHONADLA	County SAN JUAN
Location of Enhanced Recovery Injection or Disposal Well NE/NE Sec. 35 Twp. 41S Rge. 21E			
New Well To Be Drilled Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Old Well To Be Converted Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Casing Test Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Date _____	
Depth-Base Lowest Known Fresh Water Within 1/2 Mile 409'	Does Injection Zone Contain Oil-Gas-Fresh Water Within 1/2 Mile YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		State What
Location of Injection Source(s) Tohonadla Tank Battery	Geologic Name(s) and Depth of Source(s) Desert Creek 5149' Ismay 4997'		
Geologic Name of Injection Zone Lower Paradox	Depth of Injection Interval 5803 to 5981 Lower Paradox		
a. Top of the Perforated Interval: 5803	b. Base of Fresh Water: 450' (Navajo)	c. Intervening Thickness (a minus b) 5353	
Is the intervening thickness sufficient to show fresh water will be protected without additional data? YES NO			
Lithology of Intervening Zones Kayenta, Wind Gate, Chinle, Chinarump, Monkope, Duchelly, Cutler, Hermosa, Ismay, Gothic, Desert Creek, Barker Creek			
Injection Rates and Pressures Maximum 300 - 500 B/D 0 at surface PSI			
The Names and Addresses of Those to Whom Notice of Application Should be Sent.			

State of _____)
 County of _____)

Barney Jones
 Applicant

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

Suscribed and sworn to before me this _____ day of _____, 19 _____

SEAL

My commission expires _____ Notary Public in and for _____

(OVER)

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

CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
Surface	8-5/8	655	540	Surface	Circ to surface
Intermediate					
Production	5-1/2	6008'	200	3983	Calculated
Tubing	2-7/8	5750	Name - Type - Depth of Tubing Packer Baker Model R 5750'		
Total Depth 6010'	Geologic Name - Inj. Zone Lower Paradox		Depth - Top of Inj. Interval 5803'		Depth - Base of Inj. Interval 5981'



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dr. G. A. (Jim) Shirazi, Division Director

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

September 16, 1983

Newspaper Agency Corp.
Legal Advertising
143 South Main
Salt Lake City, UT

Re: Cause No's: UIC-027
UIC-028

Gentlemen:

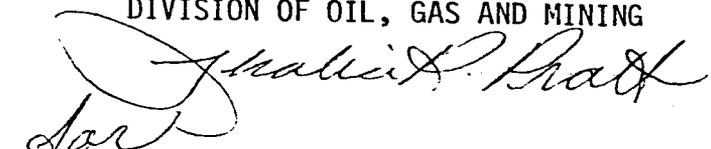
Attached hereto is a Notice of Application for Administrative Approval, before the Division of Oil, Gas and Mining, Department of Natural Resources, State of Utah.

It is requested that this notice be published ONCE ONLY, as soon as possible but no later than the 22nd day of September 1983. In the event that said notice cannot be published by this date, please notify this office immediately by calling 533-5771.

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

Very truly yours,

DIVISION OF OIL, GAS AND MINING


for
MARJORIE L. LARSON
Secretary of the Board

Attachment



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dr. G. A. (Jim) Shirazi, Division Director

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

September 16, 1983

San Juan Record
Legal Advertising
Monticello, UT 84535

Re: Cause No's: UIC-027 &
UIC-028

Gentlemen:

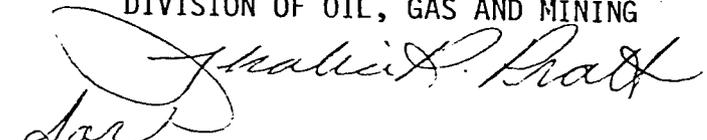
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Very truly yours,

DIVISION OF OIL, GAS AND MINING


for
MARJORIE L. LARSON
Secretary of the Board

Attachment

U N I C H E M I N T E R N A T I O N A L

1215 Basin Road

P.O. Box 421

FARMINGTON, N.M. 87401

COMPANY: Consolidated Oil & Gas, Inc.

DATE: August 29, 1983

FIELD, LEASE AND WELL: Tohonadla 41-35

Injection

SAMPLING POINT: Wellhead

DATE SAMPLED: August 25, 1983

FORMATION: Lower Paradox

SPECIFIC GRAVITY: 1.107

TOTAL DISSOLVED SOLIDS: 158,122

PH = 6.0

		ME/L	MG/L
CATIONS			
CALCIUM	(CA)+2	480	9,619
MAGNESIUM	(MG)+2	210	2,552
SODIUM	(NA), CALC.	2,072	47,649
ANIONS			
BICARBONATE	(C)3)-1	1.2	73.2
CARBONATE	(CO3)-2	0	0
HYDROXIDE	(OH)-1	0	0
SULFATE	(SO4)-2	26	1250
CHLORIDES	(CL)-1	2,735	96,978

DISSOLVED GASES

CARBON DIOXIDE (CO2)
 HYDROGEN SULFIDE (H2S)
 OXYGEN (O2)
 IRON (FE)
 BARIUM (BA)+2
 MANGANESE (MN)

SCALING INDEX

TEMP.

CARBONATE INDEX
 CALCIUM CARBONATE SCALING
 SULFATE INDEX
 CALCIUM SULFATE SCALING

UNICHEM INTERNATIONAL

1215 Basin Road

P.O. Box 421

FARMINGTON, N.M. 87401

COMPANY: **Consolidated Oil & Gas, Inc.**

DATE: **August 29, 1983**

FIELD, LEASE AND WELL: **Tohonadla 36-1**

Producing

SAMPLING POINT: **Wellhead**

DATE SAMPLED: **August 25, 1983**

FORMATION: **Desert Creek & Lower Ismay**

SPECIFIC GRAVITY: **1.053**

TOTAL DISSOLVED SOLIDS: **79,034**

PH = **6.3**

		ME/L	MG/L
CATIONS			
CALCIUM	(CA)+2	193	3,874
MAGNESIUM	(MG)+2	106	1,296
SODIUM	(NA),CALC.	1,063	24,450
ANIONS			
BICARBONATE	(C)3)-1	18.2	1,110
CARBONATE	(CO3)-2	0	0
HYDROXIDE	(OH)-1	0	0
SULFATE	(SO4)-2	48.1	2,312
CHLORIDES	(CL)-1	1,297	45,989

DISSOLVED GASES

CARBON DIOXIDE	(CO2)
HYDROGEN SULFIDE	(H2S)
OXYGEN	(O2)
IRON	(FE)
BARIUM	(BA)+2
MANGANESE	(MN)

SCALING INDEX

TEMP.

CARBONATE INDEX
CALCIUM CARBONATE SCALING

SULFATE INDEX
CALCIUM SULFATE SCALING

PUBLIC NOTICE

BEFORE THE DIVISION OF OIL,
GAS AND MINING Room 4241 State
Office Building Salt Lake City,
Utah 84114

IN THE MATTER OF THE
APPLICATION OF CONSOLI-
DATED OIL & GAS, INC., FOR
ADMINISTRATIVE APPROVAL
TO CONVERT WELL # 41-35 TO
A SALT WATER DISPOSAL
WELL, LOCATED IN TOWNSHIP
41 SOUTH, RANGE 21 EAST, SAN
JUAN COUNTY, UTAH
CAUSE NO. UIC-028

THE STATE OF UTAH TO ALL
PERSONS, OWNERS, PRO-
DUCERS, OPERATORS, PUR-
CHASERS AND TAKERS OF OIL
AND GAS AND ALL OTHER IN-
TERESTED PERSONS, PARTIC-
ULARLY IN SAN JUAN COUNTY,
UTAH:

NOTICE IS HEREBY GIVEN
that Consolidated Oil & Gas, Inc.,
P.O. Box 2038, Farmington, New
Mexico 87499, is requesting that
the Division authorize the approv-
al to convert the well mentioned
below, to a salt water disposal
well as follows:

Township 41 South Range 21
East. Sec. 35, Well #41-35 NENE
INJECTION ZONE: Lower
Paradox 5803 feet to 5981 feet.

MAXIMUM INJECTION PRES-
SURE: 300 psi, working pressure
Ø at surface.

MAXIMUM INJECTION RATE:
500 barrels of water per day.

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

STATE OF UTAH
DIVISION OF OIL, GAS
AND MINING
s/Thalia Pratt

for Marjorit L. Larson
Secretary of the Board
Published in The San Juan Record
September 22, 1983.

PUBLIC NOTICE

**BEFORE THE DIVISION OF OIL,
GAS AND MINING Room 4241 State
Office Building Salt Lake City,
Utah 84114**

**IN THE MATTER OF THE
APPLICATION OF CONSOLI-
DATED OIL & GAS, INC., FOR
ADMINISTRATIVE APPROVAL
TO CONVERT WELL # 41-35 TO
A SALT WATER DISPOSAL
WELL, LOCATED IN TOWNSHIP
41 SOUTH, RANGE 21 EAST, SAN
JUAN COUNTY, UTAH
CAUSE NO. UIC-028**

**THE STATE OF UTAH TO ALL
PERSONS, OWNERS, PRO-
DUCERS, OPERATORS, PUR-
CHASERS AND TAKERS OF OIL
AND GAS AND ALL OTHER IN-
TERESTED PERSONS, PARTIC-
ULARLY IN SAN JUAN COUNTY,
UTAH:**

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that Consolidated Oil & Gas, Inc.,
P.O. Box 2038, Farmington, New
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below, to a salt water disposal
well as follows:**

**Township 41 South Range 21
East. Sec. 35, Well #41-35 NENE
INJECTION ZONE: Lower
Paradox 5803 feet to 5981 feet.**

**MAXIMUM INJECTION PRES-
SURE: 300 psi, working pressure
Ø at surface.**

**MAXIMUM INJECTION RATE:
500 barrels of water per day.**

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

**STATE OF UTAH
DIVISION OF OIL, GAS
AND MINING
s/Thalia Pratt**

**for Marjorit L. Larson
Secretary of the Board**

**Published in The San Juan Record
September 22, 1983.**

AFFIDAVIT OF PUBLICATION

I, Joyce Martin, [redacted] duly sworn,
depose and say that I am the publisher of the San
Juan Record, a weekly newspaper of general circulation
published at Monticello, Utah, every Thursday; that
notice of Cause No. UIC-028

a copy of which is hereunto attached, was published in
the regular and entire issue of each number of said
newspaper for a period of One issues, the first
publication having been made on _____
and the last publication having been made on September
Twenty-two

Signature Joyce A. Martin
Publisher

Subscribed and sworn to before me this Twenty-second
day of September, A.D. 1983.

Merrithy Barr
Notary Public
Residing at Monticello, Utah

My commission expires May 17, 1986

RECEIVED
SEP 23 1983

DIVISION OF
OIL, GAS & MINING

Affidavit of Publication

ADM-35B

STATE OF UTAH,
County of Salt Lake

SS.

Cheryl Gierloff

BEFORE THE DIVISION OF OIL, GAS AND MINING
 Room 4241 State Office Building
 Salt Lake City, Utah 84114
 Cause No. UIC-028

IN THE MATTER OF THE APPLICATION OF CONSOLIDATED OIL & GAS, INC., FOR ADMINISTRATIVE APPROVAL TO CONVERT WELL # 41-35 TO A SALT WATER DISPOSAL WELL, LOCATED IN TOWNSHIP 41 SOUTH, RANGE 21 EAST, SAN JUAN COUNTY, UTAH

THE STATE OF UTAH TO ALL PERSONS, OWNERS, PRODUCERS, OPERATORS, PURCHASERS AND TAKERS OF OIL, GAS AND ALL OTHER INTERESTED PERSONS, PARTICULARLY IN SAN JUAN COUNTY, UTAH: NOTICE IS HEREBY GIVEN that Consolidated Oil & Gas, Inc., P.O. Box 2038, Farmington, New Mexico, 87499, is requesting that the Division authorize the approval to convert the well mentioned below, to a salt water disposal well as follows:

Township 41 South
 Range 21 East
 Sec. 35 Well #41-35 NE NE INJECTION ZONE: Lower Paradox 5903' to 5981'

MAXIMUM INJECTION PRESSURE: 300 psi, working pressure 0, at surface
 MAXIMUM INJECTION RATE: 500 barrels of water per day.

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

STATE OF UTAH
 DIVISION OF OIL, GAS AND MINING
 MARJORIE L. LARSON
 Secretary of the Board

A-89

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

That the legal notice of which a copy is attached hereto Cause No. UIC-028 - Application of Consolidated Oil and Gas Inc.

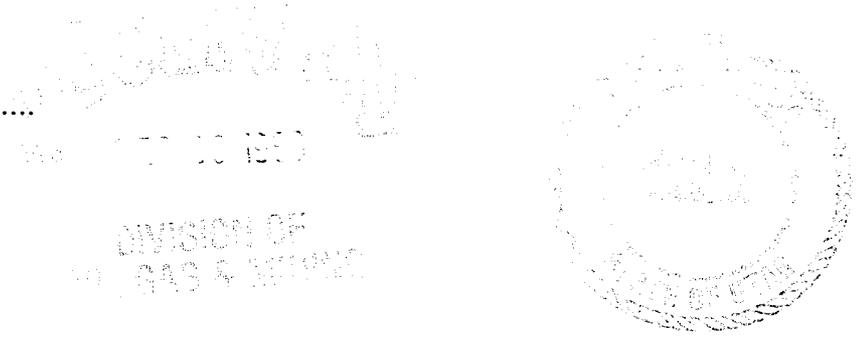
was published in said newspaper on September 22, 1983

Cheryl Gierloff
Legal Advertising Clerk

Subscribed and sworn to before me this 28th day of September A.D. 19.83

Marjorie L. Larson
Notary Public

My Commission Expires July 23, 1986



Affidavit of Publication

STATE OF UTAH,
County of Salt Lake

SS.

Cheryl Gierloff

BEFORE THE DIVISION OF OIL, GAS AND MINING, Room 4241 State Office Building, Salt Lake City, Utah 84114

CALL NUMBER: 122

THE APPLICANT OF THE CONSOLIDATED OIL & GAS INC. FOR ADMINISTRATIVE APPROVAL TO CONVERT WELL # 41-35 TO A SALT WATER DISPOSAL WELL LOCATED IN TOWNSHIP 41 SOUTH, RANGE 21 EAST, SAN JUAN COUNTY, UTAH

THE STATE OF UTAH TO ALL PERSONS, OWNERS, PRODUCERS, OPERATORS, PURCHASERS AND TAKERS OF OIL AND GAS AND ALL OTHER INTERESTED PERSONS, PARTICULARLY IN SAN JUAN COUNTY, UTAH: NOTICE IS HEREBY GIVEN that Consolidated Oil & Gas, Inc., P.O. Box 2008, Farmington, New Mexico 87499, is requesting that the Division authorize approval to convert the well mentioned below to a salt water disposal well as follows:

Township 41 South
Range 21 East
Sec. 35, Well #41-35 NE NE INJECTION ZONE: Lower Paradox 5903' to 5981'

MAXIMUM INJECTION PRESSURE: 300 psi, working pressure 0, at surface

MAXIMUM INJECTION RATE: 500 barrels of water per day.

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

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
MARJORIE L. LARSON
Secretary of the Board

A-89

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That the legal notice of which a copy is attached hereto Cause No. UIC-028 - Application of Consolidated Oil and Gas Inc.

was published in said newspaper on

September 22, 1983

Cheryl Gierloff
Legal Advertising Clerk

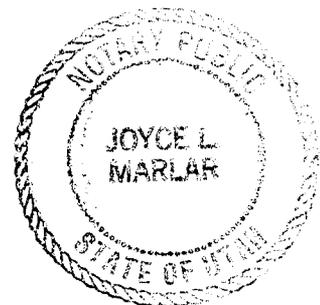
Subscribed and sworn to before me this 28th day of September A.D. 19. 83.

Joyce L. Marlars
Notary Public

My Commission Expires

July 23, 1986

SALT LAKE TRIBUNE
SEP 23 1983
DIVISION OF OIL, GAS & MINING





STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dr. G. A. (Jim) Shirazi, Division Director

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

October 12, 1983

Consolidated Oil & Gas, Inc.
P.O. Box 2038
Farmington, NM 87499

Re: Class II Injection Well
Approval
Cause No. UIC-028

Gentlemen:

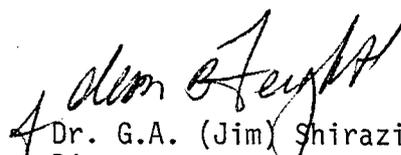
Please be advised that administrative approval has been granted to inject into the salt water disposal well mentioned below. This approval is conditional upon adhering to the UIC rules and regulations adopted by the Board of Oil, Gas and Mining and by not exceeding the maximum authorized pressures and rates.

Township 41 South Range 21 East

Sec. 35, Well #41-35 NE NE

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

Sincerely,


Dr. G.A. (Jim) Shirazi
Director

GS/TP/tp

Affidavit of Publication

ADM-35B

STATE OF UTAH,
County of Salt Lake

SS.

Cheryl Gierloff

**REGULATORY DIVISION
OF OIL, GAS
AND MINING**
Room 4241 State Office Building
Salt Lake City, Utah 84114
CAUSE NO. UIC-028

IN THE MATTER OF THE
APPLICATION OF CONSOLI-
DATED OIL & GAS, INC., FOR
ADMINISTRATIVE APPROV-
AL TO CONVERT WELL # 41-
35 TO A SALT WATER DIS-
POSAL WELL LOCATED IN
TOWNSHIP 41 SOUTH,
RANGE 21 EAST, SAN JUAN
COUNTY, UTAH

THE STATE OF UTAH TO
ALL PERSONS, OWNERS,
PRODUCERS, OPERATORS,
PURCHASERS, AND TAKERS
OF OIL AND GAS AND ALL
OTHER INTERESTED PER-
SONS, PARTICULARLY IN
SAN JUAN COUNTY, UTAH:
NOTICE IS HEREBY GIVEN
that Consolidated Oil & Gas,
Inc., P.O. Box 2038, Farming-
ton, New Mexico 87499, is re-
questing that the Division au-
thorize the approval to convert
the well mentioned below, to a
salt water disposal well as fol-
lows:

Township 41 South
Range 21 East
Sec. 35, Well #41-35 NE NE
INJECTION ZONE: Lower
Paradox 5803' to 5981'
MAXIMUM INJECTION
PRESSURE: 300 psi, working
pressure 0, at surface
MAXIMUM INJECTION
RATE: 500 barrels of water per
day.

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

STATE OF UTAH
DIVISION OF OIL,
GAS AND MINING
MARJORIE L. LARSON
Secretary of the Board

A-89

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Cause No. UIC-028 - In the matter of the

application of Consolidated Oil and Gas, Inc.

was published in said newspaper on

September 22, 1983

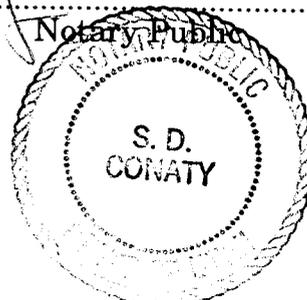
Legal Advertising Clerk

Subscribed and sworn to before me this 2nd day of February, A.D. 1984

My Commission Expires

October 1, 1986

RECEIVED
FEB 9 1984



DIVISION OF
OIL, GAS & MINING

Affidavit of Publication

ADM-358

STATE OF UTAH,
County of Salt Lake

SS.

Cheryl Gierloff

BEFORE THE DIVISION OF OIL, GAS AND MINING Room 4241 State Office Building Salt Lake City, Utah 84114 CAUSE NO. UIC-028 IN THE MATTER OF THE APPLICATION OF CONSOLIDATED OIL & GAS, INC. FOR ADMINISTRATIVE APPROVAL TO CONVERT WELL # 41-35 TO A SALT WATER DISPOSAL WELL LOCATED IN TOWNSHIP 41 SOUTH, RANGE 21 EAST, SAN JUAN COUNTY, UTAH

THE STATE OF UTAH TO ALL PERSONS, OWNERS, PRODUCERS, OPERATORS, PURCHASERS, AND TAKERS OF OIL AND GAS AND ALL OTHER INTERESTED PERSONS, PARTICULARLY IN SAN JUAN COUNTY, UTAH:

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Township 41 South Range 21 East Sec. 35 Well #41-35 NE NE INJECTION ZONE: Lower Paradox 5803' to 5981' MAXIMUM INJECTION PRESSURE: 300 psi, working pressure 0, at surface MAXIMUM INJECTION RATE: 500 barrels of water per day.

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

STATE OF UTAH DIVISION OF OIL, GAS AND MINING MARJORIE L. LARSON Secretary of the Board

A-89

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Cause No. UIC-028 - In the matter of the

application of Consolidated Oil and Gas, Inc.

was published in said newspaper on

September 22, 1983

Legal Advertising Clerk

Subscribed and sworn to before me this 2nd day of February A.D. 1984

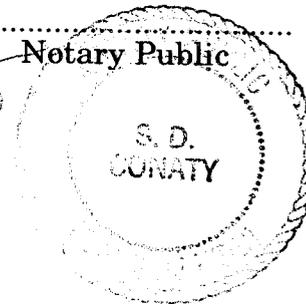
S.D. Conaty

Notary Public

My Commission Expires

October 1, 1986

RECEIVED FEB 21 1984



DIVISION OF OIL, GAS & MINING

BEFORE THE DIVISION OF OIL, GAS AND MINING
Room 4241 State Office Building
Salt Lake City, Utah 84114

IN THE MATTER OF THE APPLICATION)
OF CONSOLIDATED OIL & GAS, INC.,)
FOR ADMINISTRATIVE APPROVAL TO)
CONVERT WELL # 41-35 TO A SALT) CAUSE NO. UIC-028
WATER DISPOSAL WELL, LOCATED)
IN TOWNSHIP 41 SOUTH, RANGE)
21 EAST, SAN JUAN COUNTY, UTAH)

THE STATE OF UTAH TO ALL PERSONS, OWNERS, PRODUCERS, OPERATORS,
PURCHASERS AND TAKERS OF OIL AND GAS AND ALL OTHER INTERESTED PERSONS,
PARTICULARLY IN SAN JUAN COUNTY, UTAH:

NOTICE IS HEREBY GIVEN that Consolidated Oil & Gas, Inc., P.O.
Box 2038, Farmington, New Mexico 87499, is requesting that the
Division authorize the approval to convert the well mentioned below,
to a salt water disposal well as follows:

Township 41 South Range 21 East

Sec. 35, Well # 41-35 NE NE

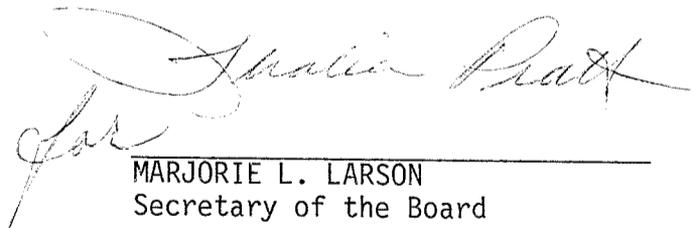
INJECTION ZONE: Lower Paradox 5803' to 5981'

MAXIMUM INJECTION PRESSURE: 300 psi, working pressure 0 at surface

MAXIMUM INJECTION RATE: 500 barrels of water per day.

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

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING


MARJORIE L. LARSON
Secretary of the Board

7

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

FORM NO. DOGM-UIC-5
(1981)

RULE 1-7 (d & e)

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

Check Appropriate Classification: Date of Commencement Termination 2-17-84

- Disposal Well
- Enhanced Recovery Injection Well
- Enhanced Recovery Project

Well Name Tohonadla 41-35

Location: Section 35 Twp. 41S Rng. 21E, County San Juan

Order No. authorizing Injection Class II, Cause# UIC-028 Date Oct 12, 1983

Zone into Which Fluid Injected Lower Ismay

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

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

RECEIVED
FEB 27 1984

Operator Consolidated Oil & Gas, Inc.

Address P.O. Box 2038, Farmington, New Mexico 87499

**DIVISION OF
OIL, GAS & MINING**


Signature

2-20-84
Date

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

WF
2

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well gas well other Disposal

2. NAME OF OPERATOR
Consolidated Oil & Gas, Inc.

3. ADDRESS OF OPERATOR
P.O. Box 2038, Farmington, N.M. 87499

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 660' FNL & 660' FEL
AT TOP PROD. INTERVAL: "
AT TOTAL DEPTH: "

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

- TEST WATER SHUT-OFF
- FRACTURE TREAT
- SHOOT OR ACIDIZE
- REPAIR WELL
- PULL OR ALTER CASING
- MULTIPLE COMPLETE
- CHANGE ZONES
- ABANDON*

(other) Plug Ismay & Desert Creek

Dispose Into Paradox

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.)*

- 8/25/83 Squeeze Ismay perfs 5250'-5277' w/330 ft³ Cls B 12½# Gilsonite per sx 2% CaCl₂. Pr test 700 psi O.K.
- 9/3/83 Squeeze holes in csg 1100'-1257' w/401 ft³ Cls B 12½# Gilsonite per sx 2% CaCl₂. Pr test 700 psi O.K.
- 9/13/83 Squeeze Desert Creek perfs 5328'-5396' w/106 ft Cls B, 12½# Gilsonite per sx 2% CaCl₂. Pr test 700 psi O.K. Pr test all csg 700 psi O.K.
- 9/15/83 Acidize Paradox 2000 gal 15% HCL Air 2 BPM, 1700 psi.
- 9/16/83 Perf Paradox 5967'-5981' 25 spf. Acidize w/1000 gal 28% HCL Air 62 bpm, 2500 psi. Est inj rate into perfs w/water ½ bpm-0 psi. 1 bpm-0 psi, 1½ bpm-0psi, 2 bpm-250 psi, 3 bpm-850 psi, 4bpm-1200 psi. Fill backside w/95 bbl of pkr fluid. Set pkr @ 5760' 2-7/8" tbg.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED: [Signature] TITLE DRILLING FOREMAN DATE September 20, 1983

(This space for Federal or State office use)

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

5. LEASE
14-20-603-229

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Tohonadla

9. WELL NO.
41-35

10. FIELD OR WILDCAT NAME
Desert Creek

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 35, T41S, R21E

12. COUNTY OR PARISH | 13. STATE
San Juan | Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
4874' GR

RECEIVED

SEP 23 1983 (NOTE: Report results of multiple completion or zone change on Form 9-330.)

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

RECEIVED

JUN 19 1984

ACCEPTED FOR RECORD

SEP 26 1983

FARMINGTON RESOURCE AREA

*See Instructions Reverse Side

DIVISION OF OIL
& MINING
OPERATOR

NOTICE OF TRANSFER OF OWNERSHIP

Present operator: CONSOLIDATED OIL & GAS, INC. Telephone: (505)632-8056

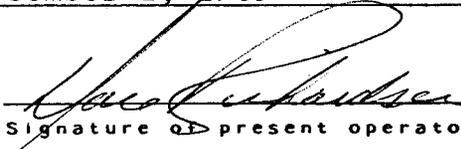
Address: P.O. BOX 2038

City: FARMINGTON State: N.M. Zip: 87499

Well no.: 41-35 Field or Unit name: TOHONADLA

Sec.: 35 Twp.: 41S Rng.: 21E County: SAN JUAN Lease no. 14-20-603-229

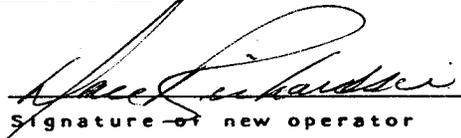
Effective date of transfer: December 1, 1985


Signature of present operator
April 7, 1986
Date

New operator: COLUMBUS ENERGY CORPORATION

Address: P.O. BOX 2038

City: FARMINGTON State: N.M. Zip: 87499


Signature of new operator
April 7, 1986
Date

(This space for DOGM approval)

Accepted
**APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING**
DATE: 4/15/86
BY: [Signature]

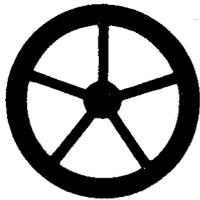
Approved by: _____ Title: _____ Date: _____

RECEIVED

FEB - 3 1986

DIVISION OF OIL
GAS & MININGCONSOLIDATED OIL & GAS, INC. - SAN JUAN COUNTY, UTAH WELLS

<u>WELL NAME</u>	<u>LOCATION</u>	<u>COUNTY</u>	<u>LEASE NO.</u>
AKAH 1	NE/4 33-42S-22E	SJ	14-20-603-236
BLUFF 3	NW/NW/4 4-40S-23E	SJ	SL 071403A
BLUFF 13-4	"	SJ	"
BLUFF 24-5	"	SJ	"
BLUFF 42-5	"	SJ	"
BLUFF 44-5	"	SJ	"
DESERT CREEK 2	SE/4 35-41S-23E	SJ	14-20-603-248
RECAPTURE CREEK 1	SE/SW/4 21-40S-23E	SJ	U 01890
RECAPTURE CREEK 2	SW/4 21-40S-23E	SJ	"
RECAPTURE CREEK 3	SE/4 21-40S-23E	SJ	"
TOHONADLA 1	SE/4 35-41S-21E	SJ	14-20-603-229
TOHONADLA 23-35	SW/4 35-41S-21E	SJ	"
TOHONADLA 32-35	NE/4 35-41S-21E	SJ	"
TOHONADLA 36-1	SW/4 36-41S-21E	SJ	"
TOHONADLA 41-25	NE/4 25-41S-21E	SJ	"
TOHONADLA 41-35 <i>w1</i>	NE/4 35 41S-21E	SJ	"
TOHONADLA 43-35	SE/4 35-41S-21E	SJ	"
TOHONADLA TRACT 23-1	NE/4 02-42S-21E	SJ	14-20-603-270



RECEIVED

FEB - 3 1986

DIVISION OF OIL
GAS & MINING

Consolidated Oil & Gas, Inc.

P. O. BOX 2038
FARMINGTON, NEW MEXICO 87499
(505) 632-8056

January 29, 1986

State of Utah
Division of Oil, Gas & Mining
3 Triad Center, Suite 350
Salt Lake City, Utah

RE: Name Change of Principal
from Consolidated Oil & Gas, Inc.
to Columbus Energy Corporation

Gentlemen:

Consolidated Oil & Gas, Inc. requests a name change of principal to Columbus Energy Corporation. This name change will include all Federal, Indian, State and Fee wells operated by Consolidated Oil & Gas, Inc. in Utah. The attached list contains well names, lease numbers and locations for all Federal and Indian leases operated in Utah.

Well signs have been changed to Columbus Energy Corp. and the required oil & gas bonds have been filed.

Please contact our Farmington office if you need any additional information.

Thank you,

Dale Richardson
Dale Richardson

Production & Drilling Sup't.

Attach.



Columbus Energy Corp.

P. O. BOX 2038
FARMINGTON, NEW MEXICO 87499
(505) 632-8056

RECEIVED
AUG 18 1987
DIVISION OF OIL
GAS & MINING

August 12, 1987

State of Utah Natural Resources
355 W. North Temple
3 Triad Center - Suite 350
Salt Lake City, Utah 84180-1203

Attention: Ms. Dorothy B. Swindel

Dear Ms. Swindel:

RE: Tohonadla 41-35 Injection Well, Sec 35, T41S, R21E
San Juan County, Utah

In response to your letter dated July 22, 1987 we are sending copies of two acidizing jobs conducted on July 31, 1984 and August 15, 1985. In addition a graph depicting a step-rate test on September 16, 1983 is included.

Columbus Energy would like to request a minimum injection pressure of 2000 psig for this well. We are currently injecting 30 bwpd at 1850 psig to overcome plugging agents carried in the disposal water when the injection well initially came on line on February 17, 1984. Acidizing to bypass the damage caused by the plugging agents were ineffective despite a filtering system installed on the well.

The step-rate and acidizing pump tests did not indicate a pressure-rate change characteristic of formation parting. We do not believe we are currently exceeding that limit because of the plugging problem.

If you have any questions please give myself or Dale Richardson a call at (505) 632-8056.

Yours very truly,

COLUMBUS ENERGY CORPORATION

Wayne L. Converse

Wayne L. Converse
District Engineer

WLC:ke



All Types Oil Field Chemicals and Services

P.O. Box 421
Farmington, New Mexico 87499

JOB REPORT

RECEIVED

AUG 18 1987

SHEET NUMBER

DIVISION OF OIL
GAS & MINING

COMPANY

CONSOLIDATED OIL AND GAS

DATE
8-24-84

FIELD OR PLANT

COUNTY OR PARISH
SAN JUAN

STATE
UTAH

LEASE OR UNIT
TOHONADLA

WELL(S) NAME & NO.
#41-35

VEHICLE NO.
#7

TYPE JOB

ACID

DRIVER/OPERATOR

KEVIN JOHNSON

REASON FOR JOB

CLEAN OUT PERFS

JOB DESCRIPTION:

Used 1 gallon 395 and 2.5 gallons 425 to make 500 gallons 15% HCL.

I hooked up to the well, the well was on vacuum when I got there.

The well took the 500 gallons HCL on vacuum. Displaced the acid with 3 barrels 2% KCL H²O.

RATE: 1/2 B.P.M. @ 550 psi

\$ 920⁰⁰

REMARKS

TRUCK TIME

8 Hours

TIME

6:45 a.m.

2:45 p.m.

TOTAL HRS.

START:

FINISH:

CHEMICAL USED

1 gallon 395, 2.5 gallons 425, 500 gallons 15% HCL, 25# Potash

DRIVER/OPERATOR SIGNATURE

KEVIN JOHNSON

		SHEET NUMBER	
COMPANY CONSOLIDATED OIL AND GAS		DATE 9-9-85	
FIELD OR PLANT		COUNTY OR PARISH San Juan	STATE Utah
LEASE OR UNIT TOHONADIA	WELL(S) NAME & NO. #41-35	VEHICLE NO. #7	
TYPE JOB		DRIVER/OPERATOR Johnson	
REASON FOR JOB			

JOB DESCRIPTION:

I mixed 2 drums TC-405 with 110 gallons fresh H₂O.
 I also loaded 23 1/2 barrels fresh H₂O.
 I started pumping the TC-405 mixture at a rate of 1/4 B.P.M. @ 1,000 psi.
 Followed with 23 1/2 barrels fresh H₂O.
 The pressure ended up at 1,750 psi.

RATE:

REMARKS

TRUCK TIME 6 Hours	TIME 7:30 a.m.	FINISH: 1:30 p.m.
TOTAL HRS.	START:	FINISH:
CHEMICAL USED 110 gallons TC-405		
DRIVER/OPERATOR SIGNATURE Kevin Johnson		



All Types Oil Field Chemicals and Services

P.O. Box 421
Farmington, New Mexico 87499

JOB REPORT

		SHEET NUMBER	
COMPANY CONSOLIDATED OIL & GAS		DATE 9-11-85	
FIELD OR PLANT		COUNTY OR PARISH SAN JUAN	STATE UTAH
LEASE OR UNIT TOHONADLA	WELL(S) NAME & NO. #41-35	VEHICLE NO. #7	
TYPE JOB ACID		DRIVER/OPERATOR JOHNSON	
REASON FOR JOB CLEAN UP PERFS.			

JOB DESCRIPTION:

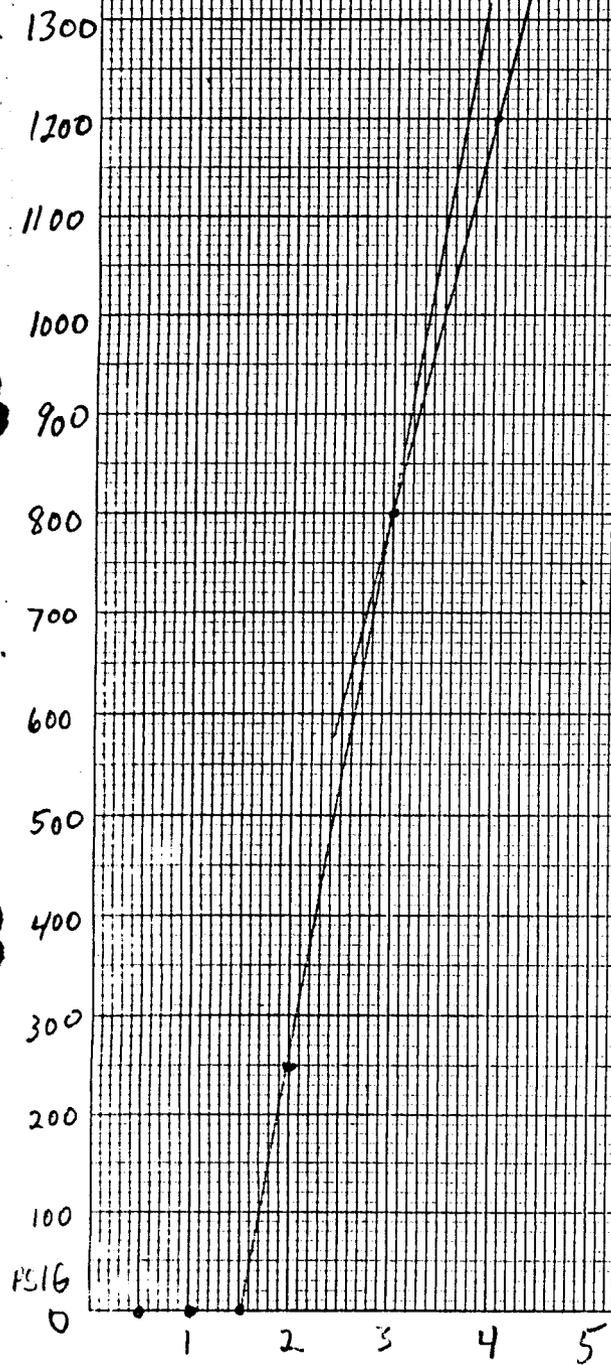
Mixed up 500 gallons 15% HCL.

When the rig crew was finished swabbing, I hooked up and pumped the HCL and 10 barrels fresh H₂O before the well pressured up. I pumped the remaining 23 1/2 barrels. Pressure ended at 1700 psi.

RATE: 1/4 B.P.M.

REMARKS

TRUCK TIME 8 Hours	TIME 9:30 a.m.	5:30 p.m.
TOTAL HRS.	START:	FINISH:
CHEMICAL USED 500 gallons 15% HCL; 1 gallon 395; 2 gallons 425.		
DRIVER/OPERATOR SIGNATURE KEVIN JOHNSON		



RPM

46 1473

TOHO 41-35 9-16-83
STEP RATE TEST

1588L H₂O per point
K.E. 10 X 10 TO 1/2 INCH • 7/8 X 10 INCHES
KEUFFEL & ESSER CO. MADE IN U.S.A.



Consolidated Oil & Gas Co.

DAILY COMPLETION REPORT

WELL TOHONADLA 41-35 DATE 9/16/83
 TD _____ PBTD _____ DAY 20 ELEVATION: KB _____ CHF _____
 PERFS PRESENT OPERATION: PIG RELEASED

<u>TIME</u>	<u>ACTIVITY</u>
7:30 A.M.	ACIDIZE PARADOX EST RATE 7 BPM 2500 PSI PUMP 1000 GAL 28% NE TO HCL. 7 BPM 2300 PSI. DISP. 6 1/2 BPM 2500 PSI. 6.2 BBL TO REC AIR 6 1/2 BPM 2500 PSI. 15 IP 1700 15 MIN 1500. FLOW WELL BACK THROUGH 2" DIE IN 30 MIN PU & SUB. FL SURFACE SUB BACK = 120 BBL TO CLEAN WELL UP FL 4000' PARTED SWIVEL ON SINKER BAR FISH SINKER BAR & CURS W/ MOUSE TRAP. EST INJECTION RATE
1/2 BPM	0 PSI PUMPED 15 BBL
1 BPM	0 PSI "
1 1/2 BPM	0 PSI "
2 BPM	250 PSI "
3 BPM	800 PSI "
4 BPM	1200 PSI "
2:00 P.M.	RELEASE PIG



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

August 19, 1987

Columbus Energy Corporation
Post Office Box 2038
Farmington, New Mexico 87499

Attn: Wayne L. Converse

Dear Mr. Converse:

Re: Tohonadla #41-35 Disposal Well, Township 41 South, Range 21
East, Section 35, San Juan County, Utah

The information submitted to the Division in your letter dated August 12, 1987, does not justify an injection pressure of 2000 psig. In absence of adequate step rate test data the Division uses the following formula to determine the maximum allowable injection pressure:

$$(.75 - .43) \times \text{Depth top perforation}$$

For the referenced well the calculated maximum allowable pressure is 1857 psig. If a higher pressure is desired please submit a request along with adequate step rate data to support the request.

If you have any questions concerning this matter, please give me a call.

Sincerely,

Gil Hunt
UIC Program Manager

mfp
0134U/99

RECEIVED
SEP 24 1990

DESIGNATION OF AGENT OR OPERATOR - FORM 5

The undersigned is, on record, the holder of oil and gas lease

LEASE NAME: See attached exhibit

LEASE NUMBER: See attached exhibit

and hereby designates

NAME: Trinity Petroleum Management, Inc.

ADDRESS: 1801 Broadway, Suite 600, Denver, CO 80202

as his agent/operator, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the Division Director or Authorized Agent may serve written or oral instructions in securing compliance with the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah with respect to (describe acreage to which this designation is applicable):

See attached exhibit

OIL AND GAS	
DFN	RJF
JFB	GIH
DIS	SLS
<i>[Signature]</i>	
1-1-CR1	
MICROFILM	
FILE	

It is understood that this designation of agent/operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah. It is also understood that this designation of agent or operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated agent/operator, the lessee will make full and prompt compliance with all rules, lease terms or orders of the Board of Oil, Gas and Mining of the State of Utah or its authorized representative.

The lessee agrees promptly to notify the Division Director or Authorized Agent of any change in this designation.

Effective Date of Designation 10/1/90 By: *[Signature]*
 Company Sterling Energy Corporation Title: President (*[Signature]*) J. Samuel Butler
 Address 1801 Broadway, Suite 600
Denver, CO 80202 Phone: 303-296-1908

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

RECEIVED
SEP 24 1990

1990 DESTINATION & SERIAL NO.

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

DIVISION OF OIL, GAS & MINING
INDIAN, ALLOTTEE OR TRIBE NAME

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR Sterling Energy Corporation		8. FARM OR LEASE NAME	
3. ADDRESS OF OPERATOR 1801 Broadway, Suite 600, Denver, CO 80202		9. WELL NO.	
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		10. FIELD AND POOL, OR WILDCAT	
*See attached exhibit		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	
14. API NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.)	12. COUNTY San Juan	13. STATE Utah

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) Change of Operator	
(Other)		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	
APPROX. DATE WORK WILL START _____		DATE OF COMPLETION New Operator	

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.)

9/21/90

* Must be accompanied by a cement verification report.

Gentlemen:

Effective October 1, 1990, Sterling Energy Corporation will become operator of the wells listed on the attached schedule. Columbus Energy Corp. is the current operator of record. Sterling has been record title owner since August of 1989.

OIL AND GAS	
DFN	RJF
JFB	GLH
DIS	SLS
<i>See Miller</i>	
MICROFILM	
FILE	

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

SIGNED Jerry D. Smothermon TITLE Engineer DATE 9/21/90

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Exhibit to Sundry Notice
 State of Utah
 Sterling Energy Corporation
 (owner of record)

RECEIVED

SEP 24 1990

Well Name	1/4/14	Sec.	Twn.	Rge.	Field	County	State
Bluff(Unit) # 3	NWNW	4	40S	23E	Bluff 43-037-15864	San Juan	Utah
Bluff(Unit) # 24-5	SESW	5	40S	23E	Bluff 43-037-15865	San Juan	Utah
Bluff(Unit) # 44-5	SESE	5	40S	23E	Bluff 43-037-15867	San Juan	Utah
Bluff # 42-5	SENE	5	40S	23E	Bluff 43-037-30866	San Juan	Utah
Bluff # 13-4	NWSW	4	40S	23E	Bluff 43-037-30726	San Juan	Utah
Desert Creek # 2	SESE	35	41S	23E	Desert Ck.	San Juan	Utah
Recapture Creek # 1	SESW	21	40S	23E	Recapture Ck.	San Juan	Utah
Recapture Creek # 2	NWSW	21	40S	23E	Recapture Ck.	San Juan	Utah
Recapture Creek # 3	NWSE	21	40S	23E	Recapture Ck.	San Juan	Utah
Tohonadla # 1	SWSE	35	41S	21E	Tohonadla	San Juan	Utah
Tohonadla # 41-25	NENE	25	41S	21E	Tohonadla	San Juan	Utah
Tohonadla # 23-35	NESW	35	41S	21E	Tohonadla	San Juan	Utah
Tohonadla # 36-1	SWSW	36	41S	21E	Tohonadla	San Juan	Utah
Tohonadla # 41-35	NENE	35	41S	21E	Tohonadla	San Juan	Utah
Navajo Tr. #23-1	NENE	2	42S	21E	Tohonadla	San Juan	Utah

DIVISION OF
 OIL, GAS & MINING

Desert Creek #2 — 43-037-15868

Recapture Creek #1 - 43-037-15871

Recapture Creek #2 - 43-037-20727

Recapture Creek #3 - 43-037-30926

Tohonadla #1 — 43-037-15872

Tohonadla #41-25 - 43-037-15876

Tohonadla #23-35 - 43-037-15874

Tohonadla #36-1 — 43-037-20854

Tohonadla #41-35 - 43-037-15877

Navajo Tr. #23-1 — 43-037-15540

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION & SERIAL NO.
*

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
SEP 24 1990

INDIAN ALLOTTEE OR TRIBE NAME

1. OIL WELL GAS WELL OTHER

7. UNIT AGREEMENT NAME

2. NAME OF OPERATOR
Columbus Energy Corp.

8. FARM OR LEASE NAME
*

3. ADDRESS OF OPERATOR
1860 Lincoln Street, Suite 1100, Denver, CO 80295

9. WELL NO.
*

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

10. FIELD AND POOL, OR WILDCAT
*

At surface

*See attached exhibit

At proposed prod. zone

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

14. API NO.

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

12. COUNTY

13. STATE

San Juan

Utah

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

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) _____

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

(Other)

To resign as operator

APPROX. DATE WORK WILL START _____

DATE OF COMPLETION _____

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.)

9/21/90

* Must be accompanied by a cement verification report.

Gentlemen:

Effective 12:01 A.M. October 1, 1990, Columbus Energy Corp. will resign as operator of the wells listed on the attached Exhibit. Sterling Energy Corporation, the record title owner, will become the successor operator.

OIL AND GAS	
DFN	RJF
JTB	GIH
DIS	SLS
MICROFILM	
FILE	

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

SIGNED

Gary M. Ahlfenger

TITLE

Land Manager

DATE

9/21/90

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Exhibit to Sundry Notice
 State of Utah
 Sterling Energy Corporation
 (owner of record)

RECEIVED

SEP 24 1990

Well Name	1/4/14	Sec.	Twn.	Rge.	Field	County	State
Bluff(Unit) # 3	NWNW	4	40S	23E	Bluff 43-037-15864	San Juan	Utah
Bluff(Unit) # 24-5	SESW	5	40S	23E	Bluff 43-037-15865	San Juan	Utah
Bluff(Unit) # 44-5	SESE	5	40S	23E	Bluff 43-037-15867	San Juan	Utah
Bluff # 42-5	SENE	5	40S	23E	Bluff 43-037-30866	San Juan	Utah
Bluff # 13-4	NWSW	4	40S	23E	Bluff 43-037-30726	San Juan	Utah
Desert Creek # 2	SESE	35	41S	23E	Desert Ck.	San Juan	Utah
Recapture Creek # 1	SESW	21	40S	23E	Recapture Ck.	San Juan	Utah
Recapture Creek # 2	NWSW	21	40S	23E	Recapture Ck.	San Juan	Utah
Recapture Creek # 3	NWSE	21	40S	23E	Recapture Ck.	San Juan	Utah
Tohonadla # 1	SWSE	35	41S	21E	Tohonadla	San Juan	Utah
Tohonadla # 41-25	NENE	25	41S	21E	Tohonadla	San Juan	Utah
Tohonadla # 23-35	NESW	35	41S	21E	Tohonadla	San Juan	Utah
Tohonadla # 36-1	SWSW	36	41S	21E	Tohonadla	San Juan	Utah
Tohonadla # 41-35	NENE	35	41S	21E	Tohonadla	San Juan	Utah
Navajo Tr. #23-1	NENE	2	42S	21E	Tohonadla	San Juan	Utah

DIVISION OF
 OIL, GAS & MINING

Desert Creek #2 — 43-037-15868
 Recapture Creek #1 — 43-037-15871
 Recapture Creek #2 — 43-037-20727
 Recapture Creek #3 — 43-037-30926
 Tohonadla #1 — 43-037-15872
 Tohonadla #41-25 — 43-037-15876
 Tohonadla #23-35 — 43-037-15874
 Tohonadla #36-1 — 43-037-20854
 Tohonadla #41-35 — 43-037-15877
 Navajo Tr. #23-1 — 43-037-15540

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM MAIL ROOM

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE FARMINGTON, NEW MEXICO

5. Lease Designation and Serial No.
BIA 14-20-603-229

6. If Indian, Allottee or Tribe Name
Navajo Tribe

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Tohonadla #41-35 (SWD)

9. API Well No.
43-037-15877-00-S1

10. Field and Pool, or Exploratory Area
Tohonadla

11. County or Parish, State
San Juan County, Utah

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Sterling Energy Corporation

3. Address and Telephone No.

1801 Broadway, Suite 600, Denver, Colorado 80202

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

660' FNL & 660' FEL (NE/4NE/4) of
Section 35, T41S-R21E

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

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

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

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

Effective 12:01 a.m. October 1, 1990, Columbus Energy Corp. will resign as operator and the successor operator will be:

Sterling Energy Corporation
1801 Broadway, Suite 600
Denver, Colorado 80202
(303) 296-1908
BLM Bond #CO-0944

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

Signed By: [Signature] Title: President

Date: 10-1-90

(This space for Federal or State office use)

Approved by:

Conditions of approval, if any:

Title

Date

ACCEPTED FOR RECORD

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

DEC 21 1990

**See instruction on Reverse Side

FARMINGTON RESOURCE AREA

OPERATOR

BY: SMA

RECEIVED
DEC 24 1990

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Well name and number: Tohonadla #41-35
Field or Unit name: Tohonadla API no. _____
Well location: QQ NENE section 35 township 41S range 21E county San Juan
Effective Date of Transfer: October 1, 1990

CURRENT OPERATOR
Transfer approved by:
Name D. T. Stogner Company Columbus Energy Corporation
Signature _____ Address 1860 Lincoln Street, Ste. 1100
Title Operations Manager Denver, Colorado 80295
Date _____ Phone (303) 861-5252
Comments: See summary dated 7-21-90.

NEW OPERATOR
Transfer approved by:
Name Jerry D. Smothermon Company Sterling Energy Corporation
Signature Jerry D. Smothermon Address 1801 Broadway, Ste. 600
Title Engineer Denver, Colorado 80202
Date 12/14/90 Phone (303) 296-1908
Comments:

(State use only)
Transfer approved by [Signature] Title UIC Manager
Approval Date 6-11-91

Form 3160-8
(November 1983)
(Formerly 9-1123)

RECEIVED
BLM District Office
50 DEC 26 PM 8:17
(Submit in triplicate to appropriate)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FARMINGTON, NEW MEXICO

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

STATE OFFICE: Utah
SERIAL NO.: BIA 14-20-603-229

JAN 23 1991

and hereby designates

NAME: Sterling Energy Corporation
ADDRESS: 1801 Broadway, Suite 600, Denver, Colorado 80202

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the authorized officer may serve written or oral instructions in securing compliance with the Operating Regulations (43 CFR 3160) with respect to (describe acreage to which this designation is applicable):

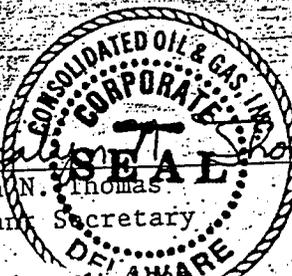
Township 41 South, Range 21 East - San Juan County, Utah
Section 25: All
Section 26: All
Section 35: All
Section 36: All

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

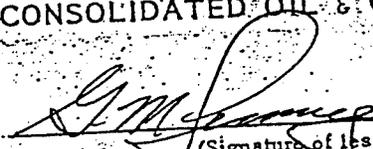
In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the authorized officer of any change in the designated operator.

ATTEST:


Jacalyn N. Thomas
Assistant Secretary
November 1, 1990
(Date)

CONSOLIDATED OIL & GAS, INC.


(Signature of lessee)
George M. Simmons, President

410 17th Street, Suite 440
Denver, Colorado (Address) 80202

DEC 27 1990

This form does not constitute an information collection as defined by 44 U.S.C. 3502 and thereto does not require OMB approval.

FARMINGTON RESOURCE AREA
BY 

OPERATOR

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing	
1- UCC <u>AGIL</u>	
2- DPS <u>DS</u>	
3- VLC	
4- RJF	✓
5- RWM	✓
6- LCR	✓

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: 10-1-90)

TO (new operator)	<u>STERLING ENERGY CORPORATION</u>	FROM (former operator)	<u>COLUMBUS ENERGY CORP.</u>
(address)	<u>1801 BROADWAY, SUITE 600</u>	(address)	<u>1860 LINCOLN ST., #1100</u>
	<u>DENVER, CO 80202</u>		<u>DENVER, CO 80295</u>
	<u>phone (303) 296-1908</u>		<u>phone (303) 861-5252</u>
	<u>account no. N5945</u>		<u>account no. N0255</u>

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

Name: <u>NAVAJO TR #23-1/ISMV</u>	API: <u>4303715540</u>	Entity: <u>6230</u>	Sec <u>2</u> Twp <u>42S</u> Rng <u>21E</u>	Lease Type: <u>INDIAN</u>
Name: <u>TOHONADLA 36-1/PRDX</u>	API: <u>4303730854</u>	Entity: <u>6260</u>	Sec <u>36</u> Twp <u>41S</u> Rng <u>21E</u>	Lease Type: <u>INDIAN</u>
Name: <u>DESERT CRK #2/PRDX</u>	API: <u>4303715868</u>	Entity: <u>6270</u>	Sec <u>35</u> Twp <u>41S</u> Rng <u>23E</u>	Lease Type: <u>INDIAN</u>
Name: <u>TOHONADLA #1/PRDX</u>	API: <u>4303715872</u>	Entity: <u>6290</u>	Sec <u>35</u> Twp <u>41S</u> Rng <u>21E</u>	Lease Type: <u>INDIAN</u>
Name: <u>TOHONADLA #23-35/PRDX</u>	API: <u>4303715874</u>	Entity: <u>6290</u>	Sec <u>35</u> Twp <u>41S</u> Rng <u>21E</u>	Lease Type: <u>INDIAN</u>
Name: <u>TOHONADLA #41-25/PRDX</u>	API: <u>4303715876</u>	Entity: <u>6290</u>	Sec <u>25</u> Twp <u>41S</u> Rng <u>21E</u>	Lease Type: <u>INDIAN</u>
Name: <u>TOHONADLA #41-35/IS-DC</u>	API: <u>4303715877</u>	Entity: <u>99990</u>	Sec <u>35</u> Twp <u>41S</u> Rng <u>21E</u>	Lease Type: <u>INDIAN</u>

wdw

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) yes If yes, show company file number: #141334 (10-1-90)
- 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. (2-13-91)
- 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.

ENTITY REVIEW

- 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) yes (If entity assignments were changed, attach copies of Form 5, Entity Action Form). (See Entity form)
- 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

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

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

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

MICROFILMING

- 1. All attachments to this form have been microfilmed. Date: February 25 1981

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.

REMARKS

- 901217 Btm / MOAB Handled through Farmington, Nm Btm.
- 901217 Sterling Energy / Cathy Have not received approval as of yet. Will call when approved.
- 901231 Btm / Farmington - Steve Mason - Not approved as of yet.
- 901231 Sterling Energy / Gerry Smotherman - will notify DCEM of Btm approval. (see phone documents)
- 910124 Btm / Farmington Accepted for Record 12-27-90. (Lease # 14-20-603-229)
- 71/34-35
- 910207 other (2) leases will be covered on separate change form

Routing:

1- LCR	6/12/84
2- DTS	DTS
3- VLC	
4- RJF	
5- RWM	
6- LCR	

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: 10-1-90)

TO (new operator)	<u>TRINITY PETROLEUM MANAGEMENT</u>	FROM (former operator)	<u>STERLING ENERGY CORPORATION</u>
(address)	<u>1801 BROADWAY, SUITE 600</u>	(address)	<u>1801 BROADWAY, SUITE 600</u>
	<u>DENVER, CO 80202</u>		<u>DENVER, CO 80202</u>
	<u>phone (303) 296-1908</u>		<u>phone (303) 296-1908</u>
	<u>account no. N5945(A)</u>		<u>account no. N5945</u>

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

Name: <u>NAVAJO TR #23-1/ISMY</u>	API: <u>4303715540</u>	Entity: <u>6230</u>	Sec <u>2</u> Twp <u>42S</u> Rng <u>21E</u>	Lease Type: <u>INDIAN</u>
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Name: <u>DESERT CRK #2/PRDX</u>	API: <u>4303715868</u>	Entity: <u>6270</u>	Sec <u>35</u> Twp <u>41S</u> Rng <u>23E</u>	Lease Type: <u>INDIAN</u>
Name: <u>TOHONADLA #1/PRDX</u>	API: <u>4303715872</u>	Entity: <u>6290</u>	Sec <u>35</u> Twp <u>41S</u> Rng <u>21E</u>	Lease Type: <u>INDIAN</u>
Name: <u>TOHONADLA #23-35/PRDX</u>	API: <u>4303715874</u>	Entity: <u>6290</u>	Sec <u>35</u> Twp <u>41S</u> Rng <u>21E</u>	Lease Type: <u>INDIAN</u>
Name: <u>TOHONADLA #41-25/PRDX</u>	API: <u>4303715876</u>	Entity: <u>6290</u>	Sec <u>25</u> Twp <u>41S</u> Rng <u>21E</u>	Lease Type: <u>INDIAN</u>
Name: <u>TOHONADLA #41-35/IS-DC</u>	API: <u>4303715877</u>	Entity: <u>99990</u>	Sec <u>35</u> Twp <u>41S</u> Rng <u>21E</u>	Lease Type: <u>INDIAN</u>

OPERATOR CHANGE DOCUMENTATION

- See 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). (Designation of Agent)
- See 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) yes If yes, show company file number: # 141336 (10-1-90)
- See 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (2-13-91)
- See 6. Cardex file has been updated for each well listed above.
- See 7. Well file labels have been updated for each well listed above.
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission.
- See 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

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EASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

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- 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: _____ 19____.

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.

REMARKS

- 9/12/17 Btm/moab Handled through Farmington, Nm Btm.
- 9/12/17 Sterling Energy - Cathy Have not received approval as of yet. Will call when approved.
- 9/12/17 Btm/Farmington - Steve Mason Not approved as of yet.
- 9/12/17 Sterling Energy / Jerry Smotherman - Will notify DEC of Btm approval. (see phone documentation)
- 9/12/17 Btm/Farmington - Accepted for Record 12-27-90. (Lease # 14-20-603-229)
- 9/12/17 Other (2) leases will be covered on separate change form-je



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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

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

January 8, 1991

Mr. Jerry D. Smothermon
Sterling Energy Corporation
1801 Broadway, Suite 600
Denver, Colorado 80202

Dear Mr. Smothermon:

RE: Change of Operator, Columbus Energy Corp. to Sterling Energy Corporation

Pursuant to our conversation on December 28, 1990, below is a list of wells that the Division has not approved for a change of operator. We have contacted the Bureau of Land Management in Farmington, New Mexico regarding the Indian Leases listed below and have been informed that these operator changes have not been approved by the BLM.

NAVAJO TR #23-1	SEC. 2, T. 42S, R. 21E	43-037-15540	14-20-603-270
FOHONADLA 36-1	SEC. 36, T. 41S, R. 21E	43-037-30854	14-20-603-229
DESERT CRK #2	SEC. 35, T. 41S, R. 23E	43-037-15868	14-20-603-248
FOHONADLA #1	SEC. 35, T. 41S, R. 21E	43-037-15872	14-20-603-229
FOHONADLA #23-35	SEC. 35, T. 41S, R. 21E	43-037-15874	14-20-603-229
FOHONADLA #41-25	SEC. 25, T. 41S, R. 21E	43-037-15876	14-20-603-229
FOHONADLA #41-35	SEC. 35, T. 41S, R. 21E	43-037-15877	14-20-603-229

It is requested that Sterling Energy Corporation forward copies of operator change approvals received from the Bureau of Land Management to our office to expedite the operator change process.

If we can be of further assistance, please feel free to contact me at (801)538-5340.

Sincerely,

Lisha Romero
Administrative Analyst

WE36/4
cc: Operator Change File

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

Form approved.
Budget Bureau No. 1004-0125
Expires August 31, 1985

RECEIVED

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-229

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NAYAJO

7. UNIT AGREEMENT NAME

SUNDRY NOTICES AND REPORTS ON WELLS BLM

(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.)

92 JUN -4 AM 11:04

019 FARMINGTON, N.M.

8. FARM OR LEASE NAME

Tohonadla

1. OIL WELL GAS WELL OTHER WIW

2. NAME OF OPERATOR

Sterling Energy Corp

3. ADDRESS OF OPERATOR

1801 Broadway, Suite 600, Denver, CO 80202

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

660' FN L X 660' FEL

RECEIVED
AUG 14 1992
DIV OIL GAS MINING

9. WELL NO.

41-35

10. FIELD AND POOL, OR WILDCAT

Tohonadla

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

Sec 35, T41S, R21E

14. PERMIT NO.

43-037-15877

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

4874' GR

12. COUNTY OR PARISH

San Juan

13. STATE

UT

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PCLL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

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

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting and 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.)

- M.I.R.U. workover unit, nipple up B.O.P.
- Release Baker Model R double grip packer and T.O.H.
- T.I.H. with cement retainer and set @ 5150
- Sting out of retainer and circulate hole with 9# mud
- Sting into retainer and squeeze perfs 5967-81, 5927-30, 5920-23, 5854-60, 5841-46, and 5803-11 with 140 sx (162 cu. ft.)
- Sting out of retainer and spot 300' plug across interval 5150-4850 with 35 sx. (40 cu. ft.) (Ismay)
- Position end of tbg. @ 4650 and spot 150' plug from 4650-4500 18 sx. (20 cu. ft.)
- T.O.H. with tbg.
- Perforate cutler @ 2540, T.I.H. and set retainer @ 2490, pump 75 sx. (88 cu. ft.) 125' thru retainer
- Spot 100' plug across Moenkopi: from 2050-2150 (35 sx.) (41 cu. ft.)
- T.O.H. with tbg. Perforate Chinle @ 1310
- Set cement retainer @ 1260 and pump 50 sx. (60 cu. ft.) 100' plug thru retainer
- Position end of tbg. @ 700' and spot 100' plug (12 sx.) (14 cu. ft.) across shoe @ 645
- Position end of tbg. 60' pump 25 sx. (29 cu. ft.)
- Pump 25 sx. (29 cu. ft.) down annulus between 5 1/2 csg. and 8 5/8 csg.
- Cut off wellhead 3' below surface and install dry hole marker.
- Move and direct equipment and restore location.

SIGNED Richard A. Ferrin

TITLE Chief Operations Eng.

DATE 6-4-92

(This space for Federal or State office use)

APPROVED BY _____

CONDITIONS OF APPROVAL, IF ANY:

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

APPROVED

DATE

JUN 04 1992

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

Date: 6-3-92
*See Instructions on Reverse Side

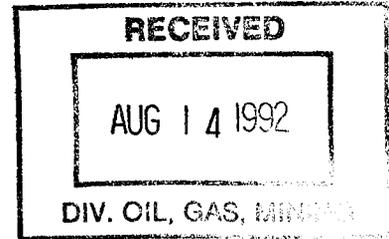
By: [Signature]

AREA MANAGER

IN REPLY REFER TO
(019)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA
1235 LA PLATA HIGHWAY
FARMINGTON, NEW MEXICO 87401



Attachment to Notice of

Re: Permanent Abandonment

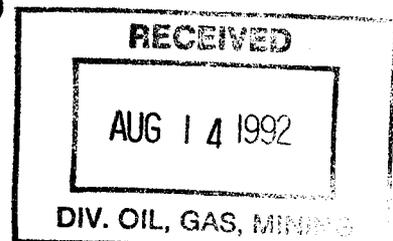
Intention to Abandon

Well: 41-35 Tohonadla

CONDITIONS OF APPROVAL

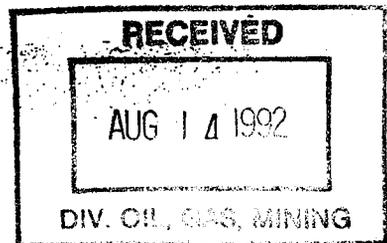
1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal Leases."
2. Mark Kelly with the Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 326-6201.
3. Blowout prevention equipment is required.
4. The following modifications to your plugging program are to be made (when applicable):

Office Hours: 7:45 a.m. to 4:30 p.m.



GENERAL REQUIREMENTS FOR
PERMANENT ABANDONMENT OF WELLS ON FEDERAL AND INDIAN LEASES
FARMINGTON RESOURCE AREA

1. Secure prior approval either on a Sundry Notice (Form 3160-5) or verbally from the Fluids Drilling & Production Section at this office before changing the approved plugging program.
2. Plugging equipment used shall have separate mixing and displacement pumps and a calibrated tank to assure proper displacement of plugs. The Operator is responsible for providing all measuring devices needed to assure proper measurement of materials being used.
3. A proper tank or pit will be used to contain all fluids pumped from the well during plugging operations. Unattended pits are to be fenced.
4. All cement plugs are to be placed through tubing (or drillpipe) and shall be a minimum of 100 feet in length with 50% excess inside casing or 100% excess when plug is set in open hole or squeezed into perforations. 15.6#/gal slurry weight is to be used when using class B neat cement or when CaCl₂ is used. Use the recommended slurry weight of other type cements when they are used (Class C, Pozzolan etc.).
5. Any cement plugs placed when well is not full of fluid, or when well may be taking fluid, (i.e. across perfs-unless bridge plug or retainer is used, across bad csg., or fresh water formations) will be tagged (touched) after cement has set to verify proper location.
 - 5a. Testing The first plug below the surface plug shall generally be tested by either tagging the plug with the working pipe string, or pressuring to a minimum pump (surface) pressure of 1000 psig, with no more than a 10 percent drop during a 15-minute period (cased hole only). If the integrity of any other plug is questioned, it must be tested in the same manner. Also, any cement plug which is the only isolating medium for a fresh water interval or a zone containing a valuable mineral deposit should be tested by tagging with the drill string.
6. Mud must be placed between plugs. Plugging mud is to be made up with a minimum of 15 lbs/bbl of sodium bentonite, ~~and a nonfermenting polymer~~. Minimum consistency of plugging mud must be 9 lbs/gal and with a minimum viscosity of 50 sec/qt. Fresh water is to be utilized for mixing mud.
7. Following the placement of a cement plug, the withdrawal rate for at least the length of the cement plug shall not exceed 30 ft/min, in order to minimize the contamination of the plug.



8. Within 30 days after plugging work is completed, file a Sundry Notice (Subsequent Report of Abandonment, Form 3160-5), in quintuplicate with Area Manager, Bureau of Land Management, 1235 La Plata Highway, Farmington, NM 87401. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. Show date well was plugged.

9. All permanently abandoned wells are to be marked with a regulation marker (4" pipe extending 4' above the ground line) containing the information as specified in 43 CFR 3162.6(d). Unless otherwise approved.

10. After plugging work is completed the surface is to be rehabilitated in accord with instructions from the Fluids Surface Management Section of the Farmington Resource Area Office.

All above are minimum requirements. The period of liability under the bond of record will not be terminated until the lease is inspected and surface work approved.

Please advise this office when the well location is ready for final inspection.

Failure to comply with the above conditions of approval may result in an assessment for noncompliance and/or a Shut-in Order being issued pursuant to 43 CFR 3163.1.

You are further advised that any instructions, orders or decisions issued by the Bureau of Land Management are subject to administrative review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4 and 43 CFR 4.700.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

5. Lease Designation and Serial Number:

14-20-603-229

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

6. If Indian, Allocated or Tribe Name:

Navajo

7. Unit Agreement Name:

8. Well Name and Number:

Tohonadla 41-35

1. Type of Well: OIL GAS OTHER:

9. API Well Number:

43-037-15877

2. Name of Operator:

Sterling Energy Corporation

3. Address and Telephone Number:

1801 Broadway, Suite 600, Denver, CO 80202

10. Field and Pool, or Wildcat:

Tohonadla

4. Location of Well

Footages: 660' FNL & 660' FEL

County: San Juan

QQ, Sec., T., R., M.: Sec. 35-T41S, R21E

State: Utah

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

NOTICE OF INTENT

(Submit in Duplicate)

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

Approximate date work will start _____

SUBSEQUENT REPORT

(Submit Original Form Only)

- Abandonment *
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Other Annual Status Report
- New Construction
- Pull or Alter Casing
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

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

SI pending P&A

RECEIVED

DEC 14 1992

DIVISION OF
OIL, GAS & MINING

13.

Name & Signature:

Judy K. Coley

Title:

Op. Assistant

Date:

12/11/92

(This space for State use only)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

RECEIVED

JAN 19 1993

1. Type of Well

Oil Well Gas Well Other **WIW**

2. Name of Operator

Sterling Energy Corporation

**DIVISION OF
OIL, GAS & MINING**

3. Address and Telephone No.

1801 Broadway, Suite 600, Denver, CO 80202

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

660' FNL x 660' FEL

Sec 35 T41S R21E

5. Lease Designation and Serial No.

14-20-603-229

6. If Indian, Allottee or Tribe Name

Navajo

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Tohonadla 41-35

9. API Well No.

43-037-15877

10. Field and Pool, or Exploratory Area

Tohonadla

11. County or Parish, State

San Juan, Utah

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

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

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

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

Attached please find the final abandonment procedures performed on the referenced well.

As weather permits the reseeding and reclamation process will commence.

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

Signed Richard A. Ferris

Title Chief Operations Engr.

Date 1-14-93

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval, if any:

RECEIVED

DEC 2 9 92

Sterling Energy Corp.
Tohonadla 41-35

12-19-92

Day # 1

Moved in and rigged up Big A Well Service rig # 15
S.D.O.N.

Day # 2

Nippled down wellhead and nipped up b.o.p.. Released model R 3 Baker packer. tripped out of the hole with 186 jt.s of 2 7/8 tubing and packer. Tripped into hole with 168 jt.s of tubing and cement retainer and set @ 5160. pressure tested tubing to 1000 p.s.i. (no leaks) Circ. hole with 9 # mud. S.D.O.N.

Day # 3

Load tubing with 29 bbl.s of water. Stung into retainer. Established injection rate of 1.3 bpm @ 2300 #. Cemented perf.s below retainer with 140 sx.s . Perf.s squeezed off to 3500 #. Stung out of retainer and pumped 35 sx.s, 7.3 bbl.s and displaced to 4850 with 28 bbl.s of 9 # mud . Layed down 16 jt.s of tubing and placed the end of tubing at 4667 . Pumped 18 sx.s of cement , 3.6 bbl.s and displaced to 4500 with 26 bbl.s of 9 # mud . Layed down 71 jt.s and T.O.H. with 81 jt.s. Rigged up Apollo Perforaters and shot 4 way squeeze holes at 2540. Filled hole with 14 bbl.s of 9 # mud . Established injection rate of 3 bpm at 1150 #. T.I.H. with 81 jt.s and cement retainer and set at 2489 . Pumped 75 sx.s thru retainer 14.7 bbl.s . Stung out of retainer and pumped 5 sx.s 1 bbl. on top of retainer and displaced with 14.1 bbl.s of 9 # mud . Layed down 11 jt.s of tubing and placed end of tubing at 2153. pumped 35 sx.s , 7.3 bbl.s and displaced to 1850 with 11 bbl.s of 9 # mud . Layed down 37 jt.s and T.O.H. with 33 jt.s . Rigged up Apollo Perforaters and shot 4 way squeeze holes at 1310. S.D.O.N.

Day # 4

Established injection rate of 1/2 bpm at 2750 # for squeeze holes at 1310 .

T.I.H. with 33 jt.s of tubing and set cement retainer at 1011. Pumped 50 sx.s thru retainer 9.5 bbl.s . Stung out of retainer and pumped 5 sx.s , 1 bbl. on top of retainer displaced to 960 with 5.5 bbl.s of 9 # mud.

Layed down 13 jt.s and T.O.H. with 20 jt.s . Rigged up Apollo Perforaters and shot 4 way squeeze holes at 700 . Attempted to circ. back to surface . Pumped 08 bbl.s of

Sterling Energy Corp.
Tohonadla 41-35

12-24-92

Day # 5

T.I.H. with 20 jt.s and set retainer at 612 . Pumped
11 bbl.s and established circ. to surface. pumped
150 sx.s of cement , 30 bbl.s.. circ. app. 3 bbl.s of
cement back to surface. Stung out of retainer and fill
5 1/2 csg. with cement to surface, 70 sx.s , 14 bbl.s .
Layed down 20 jt.s . Nippled down b.o.p.. Cut off
wellhead. Filled 5 1/2 csg. and anulus between 8 5/8
and 5 1/2 with cement. Installed dry hole marker. Rigged
down and moved rig and equipment off location.