

FILE NOTATIONS

Entered in N I D File	_____✓_____	Checked by Chief	_____✓_____
Entered On S R Sheet	_____✓_____	Copy N I D to Field Office	_____✓_____
Location Map Pinned	_____✓_____	Approval Letter	_____✓_____
Card Indexed	_____✓_____	Disapproval Letter	_____✓_____
I W R for State or Fee Land	_____✓_____		

COMPLETION DATA: *Suspended -10-11-58 NCOU*

Date Well Completed	<i>2-13-57</i>	Location Inspected	_____
CW <input checked="" type="checkbox"/> WW _____ TA _____		Bond released	_____
GW _____ OS _____ PA _____		State of Fee Land	_____

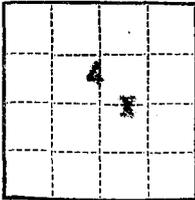
LOGS FILED

Driller's Log *11-18-57*

Electric Logs (No.) *2*

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

Lat _____ Mi-L _____ Sonic _____ Others _____



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City, Utah

Lease No. SL 071403-1

Unit Bluff

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

June 20, 19 57

Bluff Unit
Well No. 372 is located 3305 ft. from {N} line and 195 ft. from {E} line of sec. 4
NW/4 SE/4 4 40S 23E S.L.B.M.
(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Bluff San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~datum floor above sea level~~ is 4624 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)

1. Drill 11" hole to 510' ±.
2. Run and cement 8-5/8" casing at 300' ± with sufficient cement to reach surface.
3. Drill 7-7/8" hole to 5700' ±.
4. If commercial production is obtained, a supplementary notice will be filed, otherwise well will be plugged and abandoned with U.S.G.S. regulations.

Surface formation is Morrison

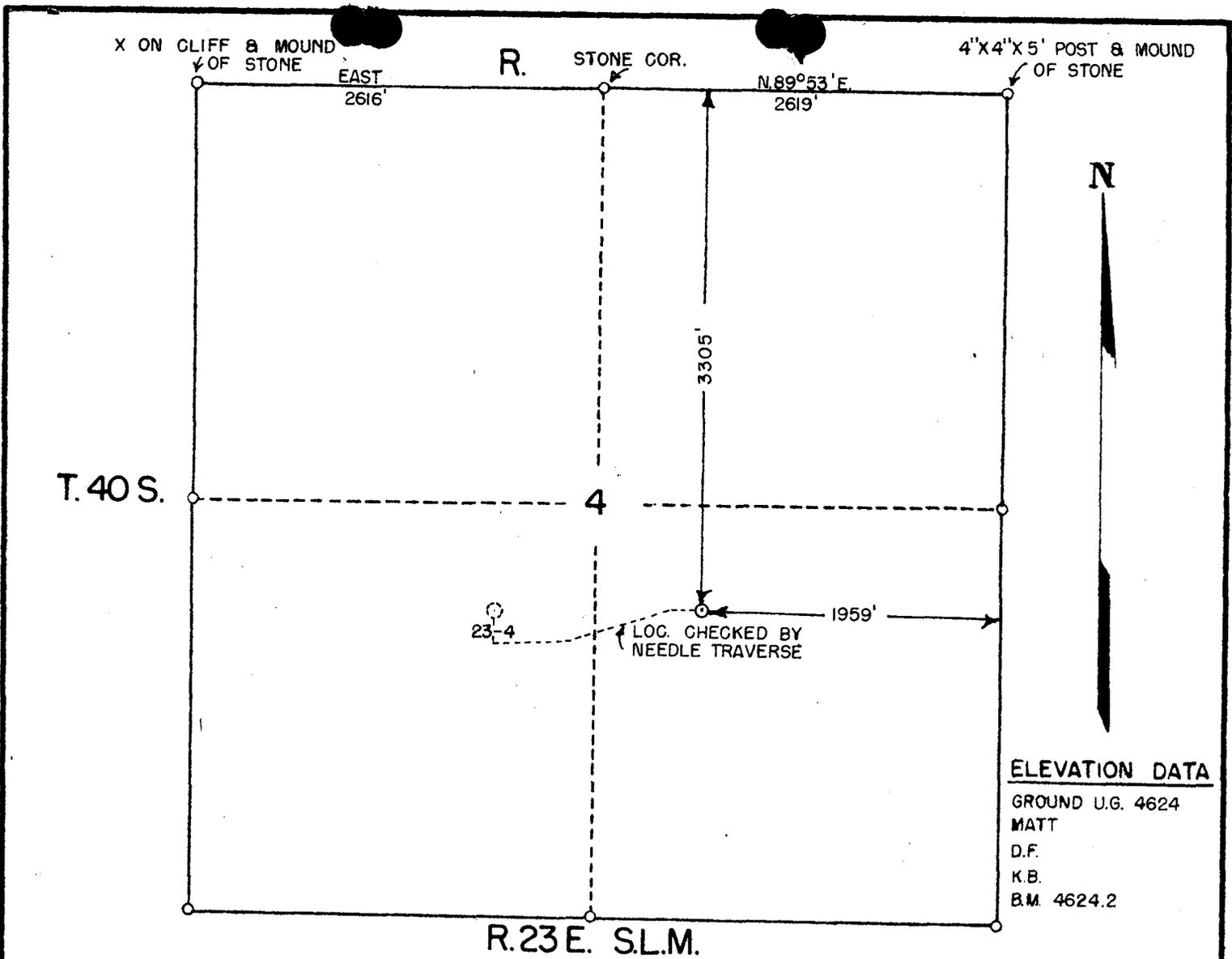
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil Company

Address 101 S. Delrend

Farmington, New Mexico

By B. W. Shepard
B. W. Shepard
Title Exploitation Engineer



ELEVATION DATA
 GROUND U.G. 4624
 MATT
 D.F.
 K.B.
 B.M. 4624.2

REFERENCE POINT DATUM-

- 1"x2" stakes set at 10' N., S., E., & W. of Loc.
 - 1"x2" stake and 3' flag set at 200' N., S., E., & W. of Loc.
 - 1 1/2"x4' pipe and 10' flag set at Loc. being 1959' W. & 3305' S. of the NE. cor. of Sec. 4, T.40S., R.23E., S.L.M.
 - 1"x2" hub and 3' flag bears West 200' from Loc. for B.M.
- Elevation Data shown hereon is in reference to B.M. at State 3-23-16

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

John A. Kroeger
 John A. Kroeger, Reg. L.S.
 Utah Reg. No. 1648



Drawn By: A.C.T.	SHELL OIL COMPANY	Scale: 1" = 400' P.L.
Checked By: <i>JAK</i>		
Date: 5/29/57		

LOCATION OF BLUFF UNIT 33-4
 SAN JUAN COUNTY, UTAH, SEC. 4, T.40S., R.23E., S.L.M.

June 24, 1957

Shell Oil Company
108 North Behrend
Farmington, New Mexico

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Bluff Unit 33-4, which is to be located 3305 feet from the north line and 1959 feet from the east line of Section 4, Township 40 South, Range 23 East, SLHM, San Juan County, Utah.

Please be advised that insofar as this office is concerned, approval to drill said well is hereby granted.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FREIGHT
SECRETARY

CBF:cn

cc: Don Russell, Dist. Eng.
U.S.G.S. Federal Bldg.
Salt Lake City, Utah

DITCH SAMPLES

Examined by B. B. Robinson 5100 5280
 _____ to _____
 _____ to _____

Well Bluff Unit 33-4
 Field or Area Bluff

FROM	TO	%	SHOWS UNDERLINED	SAMPLES LAGGED NOT LAGGED
5100	5110	80	<u>Shale</u> , dark gray, dolomitic.	
		20	<u>Limestone</u> , I VFA-MA, white-light gray.	
5110	5120	100	<u>Limestone</u> , I VFA-FA, white, fossiliferous, soft.	
5120	5130	80	<u>Shale</u> , as above.	
		20	<u>Limestone</u> , as above, cherty.	
5130	5140	100	<u>Shale</u> , as above.	
5140	5150	80	<u>Shale</u> , as above.	
		20	<u>Limestone</u> , I VF-MA, gray, soft.	
5150	5160	100	<u>Limestone</u> , I VF-FA, white-light gray, arenaceous, soft, fossiliferous?	
5160	5170	100	<u>Limestone</u> , as above.	
5170	5180	100	<u>Limestone</u> , I VFA, light gray, cherty.	
5180	5190	100	<u>Shale</u> , dark gray, calcareous.	
5190	5200	100	<u>Shale</u> , as above.	
5200	5210	50	<u>Shale</u> , as above.	
		50	<u>Limestone</u> , I VFA, light gray-white, slightly arenaceous, slightly fossiliferous, very cherty.	
5210	5220	40	<u>Shale</u> , as above.	
		60	<u>Limestone</u> , as above, very arenaceous.	
5220	5230	100	<u>Limestone</u> , I VF-FA, white-light gray, arenaceous, soft, cherty	
5230	5240	100	<u>Limestone</u> , as above.	
5240	5250	100	<u>Limestone</u> , as above, also some III VF-FA.	
5250	5260	50	<u>Shale</u> , as above.	
		50	<u>Limestone</u> , as above, darker gray.	
5260	5270	100	<u>Shale</u> , brick red, probably cavings.	
5270	5280	100	<u>Shale</u> , black.	

DITCH SAMPLES

Examined by B. B. Robinson ⁵²⁸⁰ to ⁵⁴³⁰
_____ to _____Well Bluff Unit 33-4
Field or Area Bluff

FROM	TO	%	SHOWS UNDERLINED	SAMPLES XXXX NOT LAGGED
5280	5290	50	<u>Shale</u> , as above.	
		50	<u>Limestone</u> , as above.	
5290	5300	100	<u>Shale</u> , mostly variegated (caved?).	
5300	5310	100	<u>Limestone</u> , I VFA-FA, white, slightly arenaceous, slightly cherty.	
5310	5320	100	<u>Limestone</u> , as above, no chert.	
5320	5330	100	<u>Limestone</u> , as above, light gray-white.	
5330	5340	100	<u>Limestone</u> , I VF-FA, dark gray-light gray, argillaceous, slightly sandy.	
5340	5350	100	<u>Shale</u> , dark gray, chert fragments (much cavings).	
5350	5360	100	<u>Shale</u> , white-pinkish, perhaps variegated, some cavings.	
		Tr	<u>Limestone</u> , I VFA-II VFA, white, very argillaceous.	
5360	5370	100	<u>Limestone</u> , I VF-FA, white-light gray.	
5370	5375	60	<u>Shale</u> , as above.	
		40	<u>Limestone</u> , I VFA, light brown-white (probably much cavings).	
5375	5380	100	<u>Shale</u> , dark gray.	
5380	5385	100	<u>Sandstone</u> , brownish gray, fine-very fine grained, calcareous, in part grades to sandy limestone.	
5385	5390	100	<u>Limestone</u> , I VF-MA, white-dark gray.	
5390	5395	100	<u>Limestone</u> , I VFA, dark gray, cherty, dense.	
5395	5400	100	<u>Limestone</u> , III FA, dark brown, cherty.	
5400	5405	100	<u>Limestone</u> , as above, cherty, trace of shale.	
5405	5410	100	<u>Limestone</u> , III FA to I FA, dark brown, very cherty (1-2%+).	
5410	5415	100	<u>Limestone</u> , III MA-I FA, dark brown, sandy in part.	
5415	5420	100	<u>Limestone</u> , I VFA-III MA, white-light brown, very sandy.	
5420	5425	100	<u>Limestone</u> , I FA-III FA, white-light brown, appears to be slightly fractured with clear calcite sealing the fractures, rare fusulinids.	
5425	5430	100	<u>Limestone</u> , III FA-II VFA, white-light pink, fairly soft, some fossiliferous debris.	

DITCH SAMPLES

Examined by B.B. Robinson 5430 5520
to _____
to _____Well Bluff Unit 33-4
Field or Area Bluff

FROM	TO	%	SHOWS UNDERLINED	SAMPLES XXXXXX NOT LAGGED
5430	5435	100	<u>Limestone</u> , III FA, white, fairly soft. <u>1%+</u> chips have clear mineral "inclusions" which may be filled vugs of C-D size range.	
5435	5440	80	<u>Limestone</u> , III FA, white, as above, fusulinid and crinoid stems.	
		20	<u>Shale</u> , black, dolomitic, silty.	<u>TOP PARADOX - 5435</u>
5440	5445	100	<u>Shale</u> , black, soft, calcareous, (dissolves while being washed).	
5445	5450	100	<u>Shale</u> , as above + much cavings (sample too well washed, shale dissolved).	
5450	5455	100	<u>Shale</u> , as above.	
5455	5460	100	<u>Shale</u> , as above.	
5460	5465	100	<u>Shale</u> , as above.	
5465	5470	100	<u>Shale</u> , as above.	
5470	5475	100	<u>Shale</u> , as above.	
5475	5480	100	<u>Dolomite</u> , III MA, light gray, soft.	
5480	5485	50	<u>Dolomite</u> , as above, III FA. (Probably stringers of both.)	
		50	<u>Limestone</u> , III FA. (Samples appear poor.)	
5485	5490	50	<u>Dolomite</u> , as above, <u>1% fairly uniform pale milky yellow sample fluorescence, very pale milky yellow cut fluorescence.</u>	
		50	<u>Limestone</u> , as above. (Poor samples)	
5490	5495	100	<u>Dolomite</u> , III FA + B _{tr} , slightly calcareous, light brown-gray, <u>5% fairly uniform pale milky yellow sample fluorescence, very pale milky yellow cut fluorescence.</u>	
5495	5500	100	<u>Dolomite</u> , III F-MA + B _{tr} as above, <u>10% sample fluorescence as above.</u>	
5500	5505	100	<u>Dolomite</u> , III F-MA + B _{tr} , slightly calcareous, light brown-gray, <u>20% sample fluorescence as above.</u>	
5505	5510	100	<u>Dolomite</u> , as above, <u>20% sample fluorescence as above.</u>	
5510	5515	95	<u>Limestone</u> , I VF-FA in part III FA, fossiliferous, white, appears brecciated and resealed.	
		5	<u>Dolomite</u> , as above, <u>5% sample fluorescence as above.</u>	
5515	5520	100	<u>Limestone</u> , I VF-FA, white, abundant fusulinids.	

DITCH SAMPLES

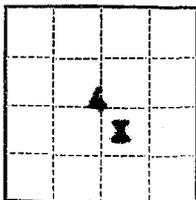
Examined by B.B. Robinson 5520 5577
 _____ to _____
 _____ to _____

Well Bluff Unit 33-4
 Field or Area Bluff

FROM	TO	%	SHOWS UNDERLINED	SAMPLES XXXXX NOT LAGGED
5520	5525	100	<u>Limestone</u> , I VFA, white, rare fusulinids, slightly brecciated, sealed.	
5525	5530	100	<u>Limestone</u> , III/II VF-FA, white, soft.	
5530	5535	100	<u>Limestone</u> , as above.	
5535	5540	100	<u>Limestone</u> , as above, <u>1-2% spotty pale milky yellow fluorescence, milky yellow cut fluorescence (probably cavings)</u> .	
5540	5545	100	<u>Limestone</u> , I VFA, light tan, slightly brecciated, sealed, fossils, <u>1-2% fluorescence as above</u> .	
5545	5550	100	<u>Dolomite</u> , III/I VF-FA + B ₁ + C _{tr} , white-light gray, slightly brecciated, resealed, <u>20% uniform fluorescence as above, good show</u> .	
5550	5555	100	<u>Dolomite</u> , III/I VF-FA + B ₁ + C _{tr} + D _{tr} , light gray, slightly brecciated, anhydrite inclusions filling, <u>20% uniform fluorescence as above</u> .	
5555	5560	100	<u>Dolomite</u> , III/I VF-FA + B ₁ + C _{tr} , white, trace of D vugs filled with anhydrite, <u>20% spotty fluorescence as above</u> .	
5560	5565	100	<u>Dolomite</u> , III FA + B ₁ + C _{tr} , trace D vugs filled with anhydrite, <u>trace spotty oil staining, white-light gray, 20% spotty fluorescence as above</u> .	
5565	5570	100	<u>Dolomite</u> , III FA = B ₁ + C _{tr} , trace D vugs filled with anhydrite, light brown, <u>10-15% spotty fluorescence as above, trace spotty oil staining</u> .	
5570	5575	100	<u>Dolomite</u> , as above, <u>10% fluorescence as above (probably cavings)</u> .	
5575	5577	100	<u>Shale</u> , black, soft.	

T.D. Geolograph 5577'
 Estimate 5-6' into black shale.
 (Geolograph broke down last 10')

(SUBMIT IN TRIPLICATE)



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City, Utah
Lease No. SL 071402A
Unit Bluff

Handwritten:
7-12-57

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

July 10, 1957

Bluff Bluff

Well No. 33-6 is located 3305 ft. from N line and 1959 ft. from E line of sec. 4

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

108 23E
(Twp.) (Range)

SLM
(Meridian)

Bluff
(Field)

San Juan
(County or Subdivision)

Utah
(State or Territory)

The elevation ~~of the wellhead~~ is 4624 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)

(Spudded 6-23-57)

6-29, 30-57 Hung 2-5/8", 21#, J-55 casing at 269', cemented with 125 sacks 1-1
Mudmix followed by 150 sacks treated cement. No returns to surface.
Cemented around outside of casing with 125 sacks treated cement,
cement to surface. Flanged up and waited on cement. Pressure
tested BOP and casing with 700 psi., O.K.

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 North Hobart Avenue

Burlington, New Mexico

By B. W. Shepard
B. W. Shepard
Title Exploitation Engineer

Bluff

DRILLING REPORT

FOR PERIOD ENDING

8-4-57

(FIELD)
San Juan, Utah
(COUNTY)

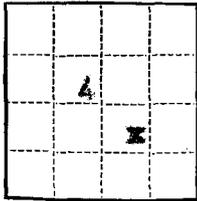
4
(SECTION OR LEASE)
T40S, R23E
(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
57			
			Location: 3305' S and 1959' W of NE Corner Sec 4, T 40S, R 23E, SLEB, San Juan County, Utah
			Elevations: DF 4633.8 Gr 4624.8 KB 4635.7
6-28	0	872	Spudded 1:30 AM
6-29	872		Ran and cemented 8 5/8", 24#, J-55 casing at 869' with 125 sacks 1-1 Diamix followed by 100 sacks cement all treated with 2% CaCl ₂ . No returns to surface. Cemented around outside of surface casing with 125 sacks. Flanged up and waited on cement. Pressure tested BOP and casing with 700 psi==OK.
6-30	872	3056	<u>Drilled 2184'</u> Encountered 6" water flow at 952' and 8" water flow at 1875', (approx. 163 gpm.) Mixed mud (11.5 #/gal) and killed water flow.
7-4 to 7-30	3056	5597	<u>Drilled 2571'</u>
7-31 to 8-1	5597	TD	Attempted to run logs, Electric log sonde would not go below 829' (Log showed open hole 708-829'). Ran bit with bit guide, could not get through. Ran 5 1/2" casing through bad place (829) with bent joint on bottom. Ran Electric log, did not work. Ran Induction log, would not go through 5 1/2" crooked joint. Ran back with straight 5 1/2" casing, worked through bad spot after 1/2 hour. Ran Induction log and Gamma Ray-Neutron logs. Ran Velocity Survey.
8-2			Ran and cemented 5 1/2", 14#, J-55 casing at 5594' with 250 sacks construction cement.
8-3			Made up 2 7/8" tubing, cleaned out to 5597'.
8-4			Set bridge plug at 5585'. Ran Gamma Ray log, perforated four 1/2" holes/ft 5467-71, 5490-96, 5520-23, 5536-58

CONDITION AT BEGINNING OF PERIOD				
HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
DRILL PIPE SIZES				

B. B. ROBINSON

SIGNED



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City, Utah

Lease No. SL 071403A

Unit Bluff

*Notes
CASH
8-14-57*

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

August 7, 19 57

Bluff Unit

Well No. 33-4 is located 3305 ft. from [N] line and 1953 ft. from [E] line of sec. 4

SW 4
(¼ Sec. and Sec. No.)

40S
(Twp.)

23E
(Range)

SLM
(Meridian)

Bluff
(Field)

San Juan
(County or Subdivision)

Utah
(State or Territory)

The elevation of the ~~casual floor~~ Kelly Bushing above sea level is 4635.7 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 - 5597'
Casing - 8-5/8" @ 863'
Hole Size - 7-7/8" from 863' to 5597'

Proposed Work:

1. Run and cement 5-1/2" 14-16#, J-55 with 250 sacks cement at 5594'.
2. Clean out to 5597'.
3. Displace mud with water and run gamma ray log with collar locator.
4. Perforate four 1/2" holes/ft in the interval 5467-71', 5490-96', 5520-23', 5536-58'.
5. Wash perforations with 500 gal mud acid. Acidize with 5000 gal acid petrofrac.
6. Swab well into production and 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 101 South Behrend

Farmington, New Mexico

By B.W. Shepard
B. W. Shepard

Title Exploitation Engineer

Bluff

DRILLING REPORT
FOR PERIOD ENDING

(FIELD)
San Juan, Utah
(COUNTY)

8-13-57

4
(SECTION OR LEASE)
T 40 S. R 23 E
(TOWNSHIP OR RANCHO)

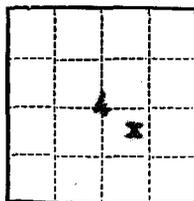
DAY	DEPTHS		REMARKS
	FROM	TO	
57			
8-5 to 8-6	5597	TD PBTD	Acid washed perforations with 300 gal mud acid in four 30 min. stages. Displaced 2000 gal XFW acid followed by 4000 gal Gel X 100 acid. Maximum pressure 4000 psi, final pressure 3500 psi. Swabbed and well started flowing, flowed and died. Released contractor 2:00 PM 8-6-57.
8-12 to 8-13			Moved in swabbing unit. Flowed well 5 hours at rate of 120 B/D oil, 0% cut. Well Died. Swabbed. INITIAL PRODUCTION Swabbing 94 B/D oil, 0% cut, 41° API gravity. Completed 8-13-57 Checked BOP daily.

CONDITION AT BEGINNING OF PERIOD				
HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
11	0	872	8 5/8"	869'
7 7/8"	872	5597	5 1/2"	5594'
DRILL PIPE SIZES		4 1/2"		

Contractor: Great Western Drilling Co.
Drillers: S. W. Woods
J. W. Huet
O. Freeman

B. B. ROBINSON

SIGNED



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City, Utah
Lease No. SL 071403A
Unit Bluff

*Noted
CH
10-7-57*

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..... <input checked="" type="checkbox"/>
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....
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NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....	Subsequent Report of Well Completion <input checked="" type="checkbox"/>

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

September 6, 1957

Bluff Unit
Well No. 33-4 is located 3205 ft. from N 12 line and 1959 ft. from E W1 line of sec. 4
SW 4 40S 23E SLBM
($\frac{1}{4}$ Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Bluff San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~datum~~ ^{Kelly Pushing} or above sea level is 4635.7 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)

- 8-2-57 Ran and cemented 5-1/2", 14#, J-55 casing at 5594' with 250 sacks treated cement.
- 8-3-57 Cleaned out to 5597' after making up 183 jts. 2-7/8" tubing.
- 8-4-57 Set bridge plug at 5585'. Perforated following interval with four 1/2" holes/ft., 5467-71', 5490-96', 5520-23', 5536-58'.
- 8-5-57 Acid washed with 300 gal mud acid. Displaced 2000 gal IFW followed by 1000 gal X-100 gal acid. Max. pressure 4000 psi. Final pressure 3500 psi. Evabbed acid water.
- 8-6-57 Released contractor.
- 8-13-57 Initial Production: 94 B/D gross, 94 B/D clean, .0% cut, 41° API gravity. Completed 8-13-57.

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
Farmington, New Mexico
By B. W. Shepard
B. W. Shepard
Title Exploitation Engineer

Form 9-330

U. S. LAND OFFICE Salt Lake City, Utah
SERIAL NUMBER SL 071403A
LEASE OR PERMIT TO PROSPECT _____



UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Shell Oil Company Address 101 S. Behrend, Farmington, N.M.
Lessor or Tract Federal Field Bluff State Utah
Well No. 33-4 Sec. 4 T. 40S R. 23E Meridian SLBM County San Juan
Location 3305 ft. N of S Line and 1959 ft. E of E Line of Section 4 Elevation 4637.7 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.

Signed B. W. Shepard

Date October 7, 1957 Title Exploitation Engineer

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

Commenced drilling June 28, 1957 Finished drilling July 30, 1957.

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5467 to 5558 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 952 No. 3, from _____ to _____
No. 2, from _____ to 1875 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"	24#	8	Spang	869	Baker	-	-	-	Surface
5-1/2"	14#	8	Spang	5594	Baker	-	5467	5558	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	869	350	Displacement	-	-
5-1/2"	5594	250	Displacement	-	-

PLUGS AND ADAPTERS

Heaving plug—Material Cement Length 5597 Bridge Plug 5585
Adapters—Material _____ Size _____

SHOOTING RECORD

FOLD MARK W

MUDDING AND CEMENTING RECORD

W/ MARK FOLD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	869	350	Displacement	-	-
5-1/2"	5594	250	Displacement	-	-

PLUGS AND ADAPTERS

Heaving plug—Material Cement Length 5597 Bridge Plug 5585
 Cleaned out to Depth xxx
 Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
			None			

TOOLS USED

Rotary tools were used from 0 feet to 5597 feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

October 7, 1957 Put to producing August 13, 1957
 The production for the first 24 hours was 94 barrels of fluid of which 100 % was oil; - %
 emulsion; - % water; and - % sediment. Gravity, xxx 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 Drlg. Co.

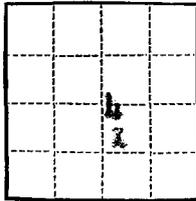
S. W. Woods, Driller C. Freeman, Driller
J. W. Huet, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
1107	1470	363	Wingate
1470	2200	730	Chinle
2200	2310	110	Shinarump
2310	2445	135	Moenkopi
2445	4447	2002	Cutler
4447	5426	979	Hermosa
5426	-		Paradox

(OVER)

NOV 18 1957



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City, Utah

Lease No. SL 071103A

Unit Bluff

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

..... September 12, 1958

Bluff Unit

Well No. 33-4 is located 3305 ft. from N line and 1959 ft. from E line of sec. 4

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

10S
(Twp.)

23E
(Range)

SLM
(Meridian)

Bluff
(Field)

San Juan
(County or Subdivision)

Utah
(State or Territory)

Kelly Bushing

The elevation of the ~~ground floor~~ above sea level is 1636 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 - 5597'
- Casing - 3 5/8" = 869'
- 5 1/2" = 5594'
- Bridge Plug - 5585'
- Perforations - 5169-71, 5190-96, 5520-23, 5536-58

Proposed Work:

1. Pull rods and tubing
2. Reperforate with 1 1/2" missile at 5169, 5193, 5521, 5538, 5544 and 5555.
3. Acidize with 3000 gal. KOFW and 6000 gal. Jel X-100.
4. Establish Recompletion Initial Production 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

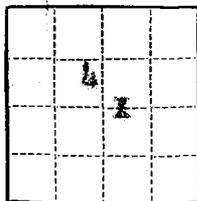
Address 705 West Municipal Drive

Farmington, New Mexico

Original signed by
B. W. SHEPARD

By _____

Title B. W. Shepard
Exploitation Engineer



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City, Utah

Lease No. 21-0714031

Unit Bluff

71-A
10-31

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 RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL to suspend well	X		

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

October 21, 1958

Bluff Unit

Well No. 33-4 is located 3305 ft. from $\begin{matrix} N \\ S \end{matrix}$ line and 1959 ft. from $\begin{matrix} E \\ W \end{matrix}$ line of sec. 4

SW/4 4
(¼ Sec. and Sec. No.)

40S
(Twp.)

23E
(Range)

SLM
(Meridian)

Bluff
(Field)

San Juan
(County or Subdivision)

Utah
(State or Territory)

Kelly Bushing

The elevation of the derrick floor above sea level 4636 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)

Reason for suspending: (10-11-58)

1. Lack of commercial production
2. Further field evaluation

9-18-58 Filled hole with water. Perforated with 1-1/2" missiles at 5469, 5493, 5521, 5538, 5544 and 5555.

9-19-58 Acidized with 3000 gal. intensified acid and 6000 gal. retarded acid flushed with 94 bbls. water maximum pressure 4700 psi, minimum pressure 4200 psi average rate 6.2 bbl/min.

9-20-58 Ran pump and rods. Initial pump test produced (12 hrs.) 50 bbls to gross, 38 bbls. oil, 30% cut. Production declined to (24 hrs. test)

10-11-58 4.7 B/D oil, 0% cut, 28 MCF/D. Suspended 10-11-58.

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 West Multiple Drive
Farmington, New Mexico

By E. S. Shepard
Title Exploitation Engineer

RECEIVED

JUL 21 1976

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

RECEIVED

JUL 12 1976

Serial Number

Salt Lake 071403-A

INDIAN SURFACE

U.S. GEOLOGICAL SURVEY

WATER WELL RELEASE

U.S. GEOLOGICAL SURVEY

DURANGO, COLO. District Manager prepares five copies. File original in District file. Submit one copy each to lessee and/or unit operator, Geological Survey, and State Director. ROSWELL, NEW MEXICO

Consolidated Oil & Gas, Inc.

, hereinafter

called ~~xxx~~ operator ~~xxx~~ hereinafter called lessee, ~~xxx~~ does enter into an agreement by and between the United States of America, through the Bureau of ~~Land Management~~ Indian Affairs, hereinafter called the Bureau, for release of water well no longer needed by lessee or unit operator.

Said water well was

- drilled expressly for water to be used in drilling operation
[X] discovered in the course of drilling for oil and gas
discovered by seismograph operators
Other

Said water well is located in (give legal description) No. 33-4 Bluff Unit, 3305' FNL & 1959' FEL NW 1/4 SE 1/4 sec. 4, T. 40 S., R. 23 E., S.L.M. San Juan County, Utah, on Indian land surface of a Federal oil and gas lease.

agrees to assume control and responsibility of water well, with condition that subsequent use will not restrict operations of lessee and unit operator and thereby relieves lessee, unit operator, and Geological Survey of any future liability for plugging water well.

The lessee and the unit operator agree to quitclaim all rights to water well to the Bureau in lieu of plugging water well to surface.

It is further agreed by the undersigned that the owners of record title to the above oil and gas lease and the ~~xxx~~ operator ~~for lessee (xxx)~~ Consolidated Oil & Gas, Inc.

~~well serial number~~ together with surety bonds are relieved from liability in connection with water well effective the date this instrument is signed for extent of liability for satisfactorily plugging of water well to the surface.

~~xxx the State of~~

The Bureau, acting through the Secretary of the Interior by the authority provided in:

- 30 CFR 241 (acquisition and leasing of water wells)
Section 40 of the Mineral Leasing Act of February 20, 1920, as amended
Sections 3 and 10 of the Taylor Grazing Act of June 28, 1934, as amended (43 U.S.C. 315);
x 30 CFR 221.34(b)

IN WITNESS WHEREOF, the undersigned hereto have executed this instrument

Table with 3 columns: By (signature), For Lessee (name), Date. Rows for Floyd E. Ellison, Jr. as lessee and unit operator, both dated 7/1/76.

Table with 4 columns: Authorized Representative (signature), Date, Authorized Officer (signature), Date. Rows for approval by Geological Survey and execution by Bureau of Land Management Indian Affairs, dated 7-19-76.

COMPANY: Shell Oil UT ACCOUNT # N206 SUSPENSE DATE: June 1
7/2

TELEPHONE CONTACT DOCUMENTATION

CONTACT NAME: Mark McNamee

CONTACT TELEPHONE NO.: (713) 870-2121 870-3195

SUBJECT: Bluff Unit, 33-4 - Who is current operator? If Shell request back
production reports. If not, find out current operators and effective
date.

Randy Herret 870-3209

(Use attachments if necessary)

RESULTS: 9:24 Wasn't in office. Secretary took message
Shell had no records on this well. Called Carol F. BLM
Moab. They have sub. report of abandonment. Will send
copy ASAP.

Last operator - Consolidated Oil & Gas.

(Use attachments if necessary)

CONTACTED BY: Claudia Jones

DATE: _____

MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

UTEX OIL CO.
% SHELL WESTERN E&P INC.

*San Juan
Nide*

~~Operator name~~
PO BOX 576
HOUSTON TX 77001 *change*
ATTN: P.T. KENT, OIL ACCT.

Utah Account No. N0840

Report Period (Month/Year) 8 / 84

Amended Report

Well Name	Producing Zone	Days Oper	Production Volume Oil (BBL)	Gas (MSCF)	Water (BBL)
MILES 1-35A4 4301330029 01965 01S 04W 35	WSTC	22	1677	1802	5722
SHELL O. TEE 1-23B4 4301330038 01970 02S 04W 23	GR-WS	TA 4/79	0	0	0
BROTHERSON 2-2B4 4301330855 08420 02S 04W 2	WSTC	31	10958	13758	509
BORTON 1-15B5 4301330128 08421 02S 05W 15	WSTC	31	372	0	5854
BROTHERSON 1-23B4 4301330483 08423 02S 04W 23	WSTC	27	2399	0	10422
BLUFF 33-4 4303715866 08425 40S 23E 4	PRDX	SHUT IN 1958	0	0	0
L.B.S. CHURCH 1-2705 4301330340 99996 02S 05W 27	UNTA	SHUT IN 1958	0	0	0
TOTAL			15406	15560	22507

*ignore !! Do not put 99996 on production report
only temporary A-Entity for MW should
not have printed*

Comments (attach separate sheet if necessary)

I have reviewed this report and certify the information to be accurate and complete.

Date 9-28-84

Authorized signature

Telephone



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

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

September 21, 1984

Mr. Hayes Robinson
Shell Western E & P
P.O. Box 576
Houston, Texas 77001

(713) 870-2121

Dear Mr. Robinson:

Re: Well No. Bluff Unit 33-4 - Sec. 4, T. 41S., R. 23E.
San Juan County, Utah - API #43-037-15866

Enclosed is a copy of the well file our office has on the above referred to well.

We are hopeful that this information will be of assistance in locating and determining who has been and/or is the operator of this location. If we may be of further assistance, please feel free to contact our agency.

Your prompt attention to this matter has been appreciated.

Respectfully,

Claudia L. Jones
Well Records Specialist

clj

cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza
File

00000003-1

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form Approved
Budget Bureau No. 42-R1424

5. LEASE DESIGNATION AND SERIAL NO.

SL 071403-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS RECEIVED

(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 JAN 05 1977

2. NAME OF OPERATOR
Consolidated Oil & Gas, Inc. U. S. GEOLOGICAL SURVEY

3. ADDRESS OF OPERATOR
1860 Lincoln Street, Denver, Colorado 80295 DURANGO, COLO.

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
3305' FNL & 1959' FEL Sec. 4-T40S-R23E SLBM

7. UNIT AGREEMENT NAME
Bluff

8. FARM OR LEASE NAME
Federal

9. WELL NO.
33-4

10. FIELD AND POOL, OR WILDCAT
Bluff

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 4, T40S-R23E SLBM

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
4636 KB

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

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.)*

Well was plugged and abandoned with pipe in place as follows per approval with modifications dated January 15, 1976 and verbal approval during operations from Jerry Long with U.S.G.S. October 8, 1976. Intent was to abandon well leaving well capable of producing artesian water from 5-1/2" x 8-5/8" annulus for Indian use.

10/5/76 Ran 2-3/8" tubing to 5560'. Mixed mud and circulated hole. Mixed 45 sacks to cement and spotted across perforations. Attempted to displace cement into

10/7/76 formation with 1500# but formation accepted very little cement. Cement plug approximately 5250-5560'. Mixed and spotted 20 sacks cement across top of Hermosa formation 4400-4550'. Pulled tubing. Shot hole in casing at 1400'. Ran tubing and spotted 50 sacks cement at 1400'. Squeezed 36 sacks cement thru hole at 1400' with 1250# leaving 14 sacks (100') in 5-1/2" casing. WOC.

10/8/76 Opened wellhead and well flowed 1/4" stream of water. Water would also flow from 5-1/2"-8-5/8" casing annulus. Ran weight on wireline. Tagged cement at 967'. Called Jerry Long with U.S.G.S. who decided against re-perforating and squeezing for fear of losing water in annulus. Pumped into 5-1/2" at 1250# with slight leakoff. Shut in several hours. Opened and well would not flow. Cement appeared to have set up shutting off water up 5-1/2". Welded

SEE REVERSE SIDE

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

SIGNED Floyd L. Ellison, Jr. TITLE Area Production Manager DATE 1/4/77

(This space for Federal or State office use)

APPROVED BY CARL A. BARRICK TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

JUN 14 1979

MAY 23 1985

CARL A. BARRICK
ACTING DISTRICT ENGINEER

*See Instructions on Reverse Side

DIVISION OF OIL
GAS & MINING