

FILE NOTATIONS

Entered in NID File ✓
 Entered On SR Sheet ✓
 Location Map Prepared ✓
 Card Indexed ✓
 IWR for State or Fee Land

Checked by Chief ✓
 Copy NID to Field Office ✓
 Approval Letter ✓
 Disapproval Letter

COMPLETION DATA:

Date Work Completed 3-18-59
 OW..... WV..... TA.....
 GW..... OS..... PA. X

Location Inspected

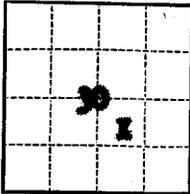
Bond released
 State of Fee Land

LOGS FILED

Driller's Log 4-14-59
 Electric Logs (No.) 3

E..... I..... E-I 2 GR..... GR-N 2 Micro (2)
 Lat..... MI-I..... Sonic..... Others.....

Sub Reg of Abd



(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal Lands

Lease No. 11-20-603-723

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)

JAN 29 1959, 19

Shell-Oil Company
NAVAJO

Well No. 62-1 is located 1900 ft. from S line and 3250 ft. from W line of sec. 30

30 425 23 32.11
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

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

The elevation ~~of the derrick floor above sea level~~ is 5000 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 12-1/4" hole to 600'±.
2. Cement 8-5/8", 21#, J-55 casing at 600'± with 100 sacks cement (circulated).
3. Drill 7-7/8" hole to 6350'±. (Objective erasas and Farslox.)
4. If commercial production is obtained a supplementary completion notice will be issued, otherwise plug and abandon.

Surface formation - limestone

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

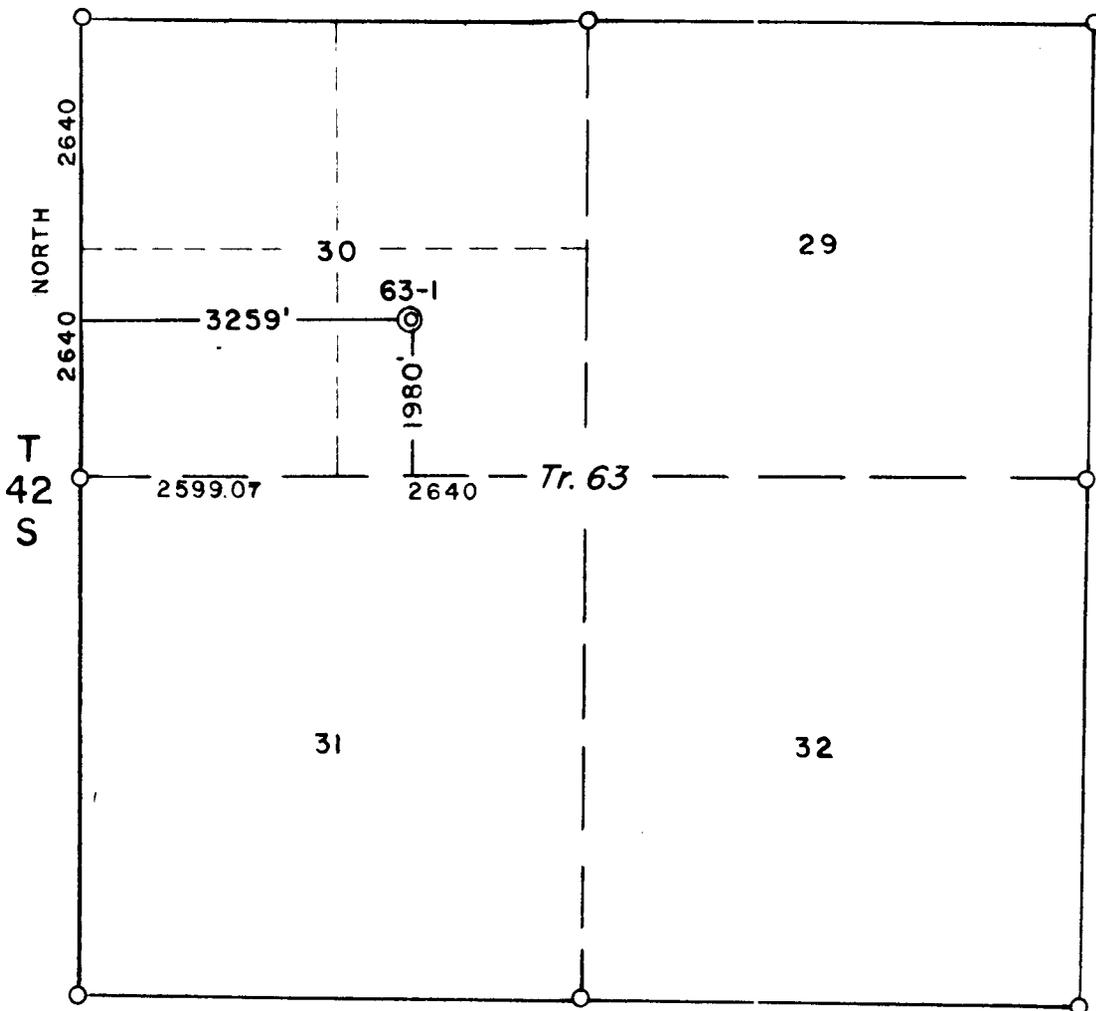
Company Shell-Oil Company

Address 705 West Principal Drive

Alamogordo, New Mexico

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

R. 23 E

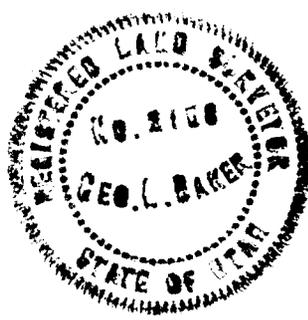


Elev. Data
 UGG 5089
 GG
 D.F.
 K.S.
 B.M.

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

Georg L. Baker

2158



DRAWN BY <i>B.H.F.</i>	SHELL OIL COMPANY	SCALE 1" = 2000'
CHECKED BY		Z-20-1079
DATE <i>12-24-58</i>		

Location Shell Sunray #63-1
 Section 30 Tract 63 T12S R23E S.L.B.M.
 San Juan County, Utah

February 2, 1949

Shell Oil Company
705 West Municipal Drive
Farmington, New Mexico

Attention: B. W. Shepard, Exploitation Engineer

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Shell-Sunray Navajo 63-1, which is to be located 1980 feet from the south line and 3259 feet from the west line of Section 30, Township 42 South, Range 23 East, S1EM, San Juan County, Utah.

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

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

Yours very truly,

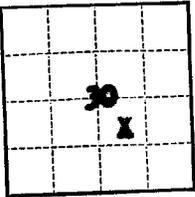
OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
EXECUTIVE SECRETARY

CBF:co

cc: Phil McGrath, Dist. Eng.
U.S.G.S. Farmington,
New Mexico

(SUBMIT IN TRIPLICATE)



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency Navajo

Allottee Tribal Lands

Lease No. 14-20-603-725

W-H
3-10

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)

February 16, 1959

Well No. 63-1 is located 1980 ft. from NE line and 3259 ft. from WE line of sec. 30

SE 20 (1/4 Sec. and Sec. No.) 426 (Twp.) 27E (Range) SLM (Meridian)
Wildcat (Field) San Juan (County or Subdivision) Utah (State or Territory)

The elevation of the Kelly Bushing above sea level is 5073 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)

- 2-1-59 Spudded 2-1-59. Cemented 13-3/8", 48#, H-40 conductor pipe at 39' with 25 sacks cement treated with 2% calcium chloride.
- 2-2-59 Ran and cemented (524') 8-5/8", 28#, J-55 at 534' with 200 sacks 1:1 Diamix and 200 sacks cement. Good returns to surface. 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
Original signed by
B. W. SHEPARD
Title Exploitation Engineer

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ALLOTTEE Tribal Lands
TRIBE Navajo
LEASE NO. 14-20-603-725

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County San Juan Field Akah-North Boundary Butte 3/30

The following is a correct report of operations and production (including drilling and producing wells) for the month of February, 1959,

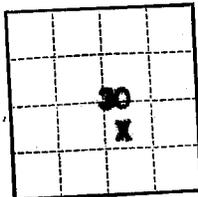
Agent's address 705 West Municipal Drive Company Shell Oil Company
Farmington, New Mexico Signed B. W. SLEDGARD

Phone Davis 5-8811 Agent's title Exploitation Engineer

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DATE PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
30 NW SE 42S 23E			63-1	-	-	-	-	-	-	Spudded 2-1-59, coring at 5411'.

NOTE.—There were no runs or sales of oil; no M. cu. ft. of gas sold;

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



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R359.4
Approval expires 12-31-60.
Indian Agency Navajo
Allottee Tribal Lands
Lease No. 14-20-603-729

n-k
3-10

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	X
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)

March 5, 19 59

Sunray - Shell
Navajo
Well No. 63-1 is located 1980 ft. from SM line and 3259 ft. from W line of sec. 30

SE 30 42 S 23 E S.L.B.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~drill hole~~ ^{Kelly bushing above} sea level is 5073 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)

3-1-59 DST No. 1 - 5333 - 5413 Initial Shut In 1/2 hour, open 1-1/2 hours, final shut in 1-1/2 hours. Weak blow reduced to almost dead at end of flow period. Recovered 30 ft., very slightly oil cut mud. ISIP 125, IFP 89, FFP 89, FSIP 117, IIP 2799.

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 B. W. Shepard
Title Exploitation Engineer

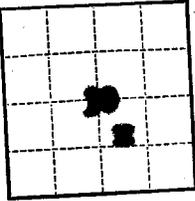
(SUBMIT IN TRIPLICATE)

Indian Agency - Navajo

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal Lands

Lease No. 11-20-603-725



SUNDRY NOTICES AND REPORTS ON WELLS

71/K 3/30

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
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NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	<input checked="" type="checkbox"/>		

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

March 13, 19 59

Well No. Navajo 63 is located 1900 ft. from S line and 3259 ft. from W line of sec. 30

SE 30 (1/4 Sec. and Sec. No.) L25 (Twp.) 23E (Range) SL2N (Meridian)
Wildcat (Field) San Juan (County or Subdivision) Utah (State or Territory)

The elevation of the ~~surface~~ Kelly Bunking above sea level is 5073 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)

Staging Total depth 6213'
Casings 8-5/8" @ 534
Hole Sizes 7-7/8" from 534 to total depth

- Proposed Work
1. With open end drill pipe plug as follows:
 - a. 30 sacks cement at 6075' (5975-6075)
 - b. 30 sacks cement at 5100' (5000-5100)
 - c. 30 sacks cement at 4350' (4250-4350)
 - d. 30 sacks cement at 2850' (2750-2850)
 - e. 30 sacks cement at 600' (500-600)

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

Company Shell Oil Company
Address 705 West Municipal Drive
Farmington, New Mexico

Original signed by
R. W. SHEPARD
By R. W. Shepard
Title Registration Engineer

W

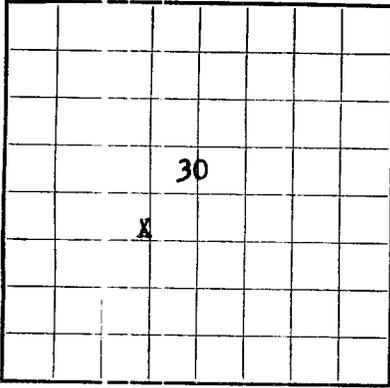
2. Feel for top plug, record if not above 500'.
3. Install marker with a 10 inch surface plug and abandon.

NOTE: Verbal approval to abandon given by B. J. Steger, USGS to K. A. Hauptfleisch,
March 13, 1959.

MAR 27 1959

15

U. S. LAND OFFICE Tribal Lands
SERIAL NUMBER 14-20-603-725
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Shell Oil Company Address 705 West Municipal Drive, Farmington N.M.
Lessor or Tract Tribal-North Boundary Butte Field Wildcat State Utah
Well No 63-1 Sec. 30 T. 42S R. 23E Meridian SLBM County San Juan
Location 1980 ft. N. of S Line and 3259 ft. E. of W Line of Sec. 30 Elevation 5072.5 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 E. W. SHEPARD
Signed _____

Date March 25, 1959 Title Exploitation Engineer

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

Commenced drilling February 1, 1959 Finished drilling March 12, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from _____ to _____ 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	Mfg. Co. and pulled from			Perforated		Purpose
			Count	Diameter	Length	From	To	
8-5/8"	28	8	---	524	Baker	---	---	Surface

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	534	200 Diamix + 200	Displacement	---	---

PLUGS AND ADAPTERS

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

FOLD MARK

FOLD MARK

W/8-5/8"	534	200 Diamix + 200	Displacement	---	---

PLUGS AND ADAPTERS

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

SHOOTING RECORD

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

TOOLS USED

Rotary tools were used from 0 feet to 6213 feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

Abandoned as a "Dry Hole"

DATES

March 18, _____, 19⁵⁹ Put to producing _____, 19_____

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

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES Great Western Drilling Company

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
1205	1985	780	Chinle
1985	2070	85	Shinarump
2070	2250	180	Moenkopi
2250	4312	2062	Cutler
4312	5358	1046	Upper Hermosa
5358	6196	838	Paradox
6196	---	---	Molas

DITCH SAMPLES

Examined by R. Few 1700 to 2150
 _____ to _____

Well Sunray Navajo Tract #63-1
 Field or Area Wildcat
 Not

FROM	TO	%	SHOWS UNDERLINED	SAMPLES/LAGGED
1700	10		Skip	
1710	20		<u>Limestone</u> , IvFA, white to lavender.	
1720	1750		Skip	
1750	1800		<u>Siltstone</u> , red to lavender to rose, very calcareous, abundant limestone partings.	
1800	10		Skip	
1810	40		<u>Siltstone</u> , maroon, calcareous, limestone partings.	
1840	60		Skip	
1860	80		<u>Siltstone</u> , as above, becomes more calcareous.	
1880	1900		Skip	
1900	30		<u>Limestone</u> , IvFA, white to lavender, occasional light gray stylolite streak, occasional light green shale partings.	
1930	50		Skip	
1950	60		<u>Limestone</u> , as above.	
1960	70		<u>Siltstone</u> , maroon, calcareous.	
1970	90		<u>Sandstone</u> , white to light gray, quartz crystal, medium coarse grained, well sorted to well rounded, occasional green shale parts.	
1990	2030		<u>Sandstone</u> , as above, with occasional pyritic inclusions, argillaceous.	
2030	50		<u>Shale</u> , white to light gray, very silty and sandy, bentonetic?, rare carbonaceous inclusions, soft.	
2050	60		<u>Limestone</u> , light gray, I-III IvFA, abundant carbonaceous inclusions, argillaceous.	
2060	2100		<u>Shale</u> , purple to maroon, blocky & nodular, with occasional carbonaceous and pyritic inclusions, lower 20' limestone parting.	
2100	30		<u>Shale</u> , as above, with abundant limestone and sandstone interbeds, abundant pyritic inclusions.	
2130	40		<u>Limestone</u> , light gray to light green, IvFA, argillaceous, with abundant sandstone partings.	
2140	50		<u>Sandstone</u> , light gray to light green, very fine to fine grained, well sorted, very argillaceous, micaceous.	

DITCH SAMPLES

Examined by R. Few 2150 to 2550
 _____ to _____

Well Sunray Navajo Tract #63-1
 Field or Area Wildcat
 Not

FROM	TO	%	SHOWS UNDERLINED	SAMPLES/LAGGED
2150	70		<u>Shale</u> , medium brown, micaceous in part, occasional light gray sand strings.	
2170	80		<u>Sandstone</u> , light gray to medium green, very fine to fine grained, well sorted, argillaceous and micaceous, occasional pyritic inclusions.	
2180	2200		<u>Shale</u> , red to brown, light gray, sandy in part, occasional sandstone string.	
2200	20		<u>Shale</u> , as above, occasionally carbonaceous.	
2220	40		<u>Sandstone</u> , light green to light gray, fine to medium grained, micaceous, very argillaceous in part, occasional abundant pyritic crystal.	
2240	50		<u>Shale</u> , vari-colored, maroon - brown - red.	
2250	70		<u>Shale</u> , red - purple - light gray.	
2270	2300		<u>Shale</u> , red to light gray, slightly calcareous, with rare pyritic crystal inclusions.	
2300	50		<u>Shale</u> , red - brown - light gray, slightly calcareous, with occasional fine grained light gray sandstone streak.	
2350	75		<u>Shale</u> , varied, red - lavender - light gray, occasional pyritic crystal, occasional sandstone streak.	
2375	80		<u>Sandstone</u> , light gray, very fine to medium grained.	
2380	2400		<u>Shale</u> , red - brown - light gray, calcareous in part.	
2400	30		<u>Shale</u> , as above, calcareous.	
2430	40		<u>Sandstone</u> , white to light gray, fine grained, well sorted, slightly micaceous.	
2440	50		<u>Shale</u> , orange to red, with occasional calcareous inclusions	
2450	60		<u>Shale</u> , red to light gray, with occasional pyritic crystal and carbonaceous inclusions.	
2460	2510		<u>Sandstone</u> , orange, very fine to medium grained, fair sortings.	
2510	20		<u>Shale</u> , red, light pink mottled in part.	
2520	50		<u>Sandstone</u> , as above.	

DITCH SAMPLES

Examined by R. Few 2550 to 3150
 _____ to _____

Well Sunray Navajo Tract #63-1
 Field or Area Wildcat
 Not

FROM	TO	%	SHOWS UNDERLINED	SAMPLES/LAGGED
2550	80		<u>Sandstone</u> , very fine grained to silty, orange.	
2580	2600		<u>Shale</u> , red, calcareous, with occasional carbonaceous streaks.	
2600	10		<u>Sandstone</u> , very fine grained to silty, argillaceous, orange.	
2610	30		<u>Siltstone</u> , very fine grained sandstone, orange, argillaceous.	
2630	50		<u>Shale</u> , red to orange, silty, slightly calcareous.	
2650	2700		<u>Shale</u> , vari colored, red-brown-gray, mottled in part with light gray mottled, calcareous, with rare limestone parting, with occasional sandstone streaks throughout.	
2700	20		<u>Siltstone</u> , orange to red, argillaceous.	
2720	60		<u>Shale</u> , vari colored, red - purple - light gray; mottled in part, hard to soft, with occasional silty streak, abundant anhydrite inclusions in upper 10'.	
2760	2800		<u>Siltstone</u> , orange, argillaceous, abundant occasional anhydrite inclusions.	
2800	40		<u>Shale</u> , lavender to red, mottled in part, slightly in part, calcareous.	
2840	50		<u>Shale</u> , vari colored, light gray - lavender - ochre - red, silty in part, occasional siltstone streak.	
2850	80		<u>Siltstone</u> , orange, argillaceous.	
2880	2900		<u>Shale</u> , red to orange, silty, argillaceous, rare carbonaceous streak.	
2900	50		<u>Shale</u> , as above, calcareous, occasional limestone parting.	
2950	90		<u>Shale</u> , vari colored, red - maroon - medium brown - gray, calcareous.	
2950	3000		<u>Shale</u> , red, calcareous.	
3000	50		<u>Shale</u> , as above (with green shale partings) (light gray shale partings) rare pyrite.	
3050	70		With green shale partings, as above.	
3070	90		<u>Sandstone</u> , light gray, ver fine to fine grained, well sorted, argillaceous.	
3090	3150		<u>Shale</u> , red, silty, calcareous, occasional limestone partings in upper 10'	

DITCH SAMPLES

Examined by R. Few 3150 to 3540
 _____ to _____

Well Sunray Navajo Tract #63-1
 Field or Area Wildcat
 Not

FROM	TO	%	SHOWS UNDERLINED	SAMPLES/ LAGGED
3150	3200		As above, also silty in part, occasional light gray shale partings.	
3200	50		As above, with occasional limestone (light gray) partings.	
3250	65		<u>Shale</u> , as above.	
3265	3305		<u>Limestone</u> , tan to light gray to medium brown, IvFA, argillaceous, oolitic ?, with red shale parting, occasional white crystalline anhydrite inclusions.	
3305	40		<u>Shale</u> , red, calcareous, silty in part.	
3340	60		<u>Siltstone</u> , red, very argillaceous.	
3360	3400		<u>Shale</u> , red - maroon - light gray, hard to soft, occasional pyrite crystalline.	
3400	40		Skip	
3440	50		<u>Shale</u> , red, calcareous.	
3450	60		<u>Limestone</u> , tan to medium brown, IvFA.	
3460	70		<u>Shale</u> , vari colored, red to light gray.	
3470	80		<u>Siltstone</u> , light brown, argillaceous.	
3480	3500		<u>Gypsum</u> , light gray to medium gray.	
3500	15		<u>Shale</u> , maroon - red - light gray - ochre.	
3515	20		<u>Sandstone</u> , light gray, fine to medium grained, well sorted, well rounded.	
3520	30		<u>Shale</u> , red, calcareous.	
3530	40		<u>Shale</u> , red, calcareous, light gray shale parting.	
3540	60		<u>Shale</u> , red to light gray, soft, calcareous, occasional light gray sandstone strings.	

DITCH SAMPLES

Examined by R. Few 4330 to 4635
 _____ to _____

Well Sunray Navajo Tract #63-1
 Field or Area Wildcat

Not

FROM	TO	%	SHOWS UNDERLINED	SAMPLES/LAGGED
4330	45		<u>Shale</u> , medium gray to medium brown, calcareous.	
4345	50		<u>Limestone</u> , tan to light to medium gray, I-IIIvFA, silty in part.	
4350	55		<u>Shale</u> , medium brown to medium gray, silty in part.	
4355	65		<u>Siltstone</u> , light brown, calcareous, micaceous, slightly argillaceous.	
4365	70		Skip	
4370	80		<u>Shale</u> , medium brown to light gray, with abundant interbeds of brown siltstone.	
4380	4405		<u>Shale</u> , medium brown to medium gray to maroon, with occasional tan limestone parting.	
4405	10		<u>Shale</u> , light to medium gray.	
4410	20		<u>Limestone</u> , light gray, I-IIIvF-FA, argillaceous.	
4420	40		<u>Shale</u> , medium gray, calcareous, with interbeds of medium brown shale in lower half.	
4440	70		<u>INTERBEDDED</u> maroon, lavender shale & medium to dark brown, calcareous siltstone.	
4470	75		<u>Limestone</u> , medium brown, IVFA.	
4475	80		<u>Siltstone</u> , light to medium brown, very calcareous, micaceous.	
4480	4505		<u>Limestone</u> , tan to light grey, IVF-MA, silty in part, slightly argillaceous in part, (foram?)	
4505	10		<u>Siltstone</u> , red, brown, argillaceous, calcareous.	
4510	25		<u>Limestone</u> , white, tan, IVF-MA, sandy, (foram?)	
4525	45		<u>Shale</u> , maroon to brown to medium grey, calcareous in part, with occasional light grey siltstone partings.	
4545	65		<u>Siltstone</u> , medium to dark brown, argillaceous, calcareous.	
4565	75		<u>Limestone</u> , tan to light grey, I-IIIVFA, sandy, argillaceous.	
4575	80		<u>Shale</u> , maroon.	
4580	90		<u>Limestone</u> , white, IVF-MA.	
4590	4635		<u>Siltstone</u> , medium to dark brown, calcareous, very argillaceous.	

DITCH SAMPLES

Examined by R. Few 5270 to 5327
 _____ to _____

Well Sunray Navajo Tract #63-1
 Field or Area Wildcat
 not

FROM	TO	%	SHOWS UNDERLINED	SAMPLES / LAGGED
------	----	---	------------------	------------------

70	95		<u>Limestone</u> , tan to medium brown, I-III VFA, pyrite, occasional chert fragments.	
95	5310		<u>Limestone</u> , dark brown, IVFA, argillaceous to very argillaceous, grades to very calcareous shale towards base.	
5310	20		<u>Shale</u> , dark brown to dark grey, very calcareous.	
20	27		<u>Limestone</u> , light to medium grey, I-III VFA, argillaceous in part, sandy in part.	

DITCH SAMPLES

Examined by R. Few 5413 to 5660
_____ to _____Well Sunray Navajo 63-1
Field or Area Wildcat
Not

FROM	TO	%	SHOWS UNDERLINED	SAMPLES/ LAGGED
5413	35		<u>Limestone</u> , medium brown to medium gray, I-IIIvFA, argillaceous.	
5435	40		<u>Limestone</u> , light to medium gray, IvFA, argillaceous, with occasional chert inclusions.	
5440	70		<u>Limestone</u> , dark brown, IvFA, argillaceous.	
5470	85		<u>Limestone</u> , tan to light gray to medium gray, IvFA, silty in part, occasional brown opaque chert parting, occasional white crystalline anhydrite.	
5485	5510		<u>Limestone</u> , tan to light gray, IvFA, occasional milky chert parting, silty in part, occasional white anhydrite inclusion, abundant to occasional red and brown shale parting.	
5510	15		<u>Limestone</u> , medium gray, IvFA, argillaceous, with dark brown argillaceous streaks, occasional pyritic crystalline, occasional chert parting.	
5515	30		<u>Shale</u> , dark gray to black, calcareous, silty in part; SAMPLE QUALITY POOR!	
5530	45		<u>Siltstone</u> , light green to light gray, very argillaceous, micaceous in part.	
5545	55		<u>Shale</u> , gray to brown and red, calcareous and silty in part; micaceous in part.	
5555	75		<u>Dolomite</u> , dark brown to medium gray, IIIvFA, with occasional black black and purple shale parting, occasional white crystalline anhydrite inclusion, rare to occasional chert parting, silty in part.	
5575	85		<u>Dolomite</u> , medium to dark gray, IIIvF-FA, argillaceous and silty, abundant white anhydrite inclusion, (possibly imbedded), rare to occasional chert parting.	
5585	95		SKIP	
5595	5630		<u>Dolomite</u> , as above, with abundant anhydrite inclusions and interbeds, rare pyritic inclusions, dark gray shale partings in lower half.	
5630	40		<u>Dolomite</u> , medium to dark gray, IIIvFA, argillaceous and occasional to abundant white anhydrite inclusions.	
5640	45		<u>Anhydrite</u> , white crystalline, with occasional argillaceous streaks.	
5645	60		<u>Dolomite</u> , tan to light gray, II-IIIvFA, silty, with occasional white anhydrite inclusions.	

DITCH SAMPLES

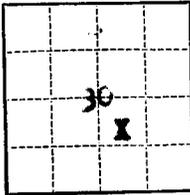
Examined by R. Few 5660 to 5860
 _____ to _____

Well Sunray Navajo 63-1
 Field or Area Wildcat
Not

FROM	TO	%	SHOWS UNDERLINED	SAMPLES/ LAGGED
5660	5665		<u>Shale</u> , dark brown to dark gray red, rare interbeds of white anhydrite.	
5665	90		<u>Dolomite</u> , tan to light gray, IIIvFA, silty, argillaceous in part, occasional to abundant white anhydrite streak.	
5690	5715		<u>Shale</u> , maroon, dark brown and dark gray, occasional sandstone streak.	
5715	50		<u>Dolomite</u> , tan to light gray, IIIvFA, argillaceous in part, occasional dark gray shale streak, occasional anhydrite inclusions, occasional varied colored (brown, maroon, gray) shale streak in lower half.	
50	70		<u>Dolomite</u> , tan to light grey to medium grey, IIIVFA, argillaceous in part & silty in part, occasional medium grey shale partings, occasional to abundant medium brown IVFA, fossiliferous limestone partings.	
5770	85		<u>Dolomite</u> , light medium grey, IIIVFA, with abundant clear to milky chert fragments, (possibly interbedded.) occasional limestone partings, occasional light to medium grey shale partings.	
85	5820		<u>Dolomite</u> , light grey, I-IIIvFA, occasional tan to brown, limestone partings, occasional white anhydrite inclusions, silty in part.	
5820	45		<u>Dolomite</u> , light grey to medium brown, IIIFM(AB) ₅ , occasional dark brown limestone partings, rare brown chert inclusions, occasional to abundant anhydrite inclusions.	
45	50		<u>Dolomite</u> , tan to light grey, I-IIIvFA, occasional white crystalline anhydrite inclusions.	
50	55		<u>Dolomite</u> , light to medium brown, III-IVF-FA, very abundant clear to milky chert inclusions, occasional limestone streaks.	
55	60		<u>Dolomite</u> , as above, but only rare chert fragments.	

(SUBMIT IN TRIPPLICATE)

Indian Agency Navajo



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal Lands

Lease No. 14-20-603-725

SUNDRY NOTICES AND REPORTS ON WELLS

7/1/8
4/3

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)

March 25, 19 59

Well No. Navajo 63-1 is located 1980 ft. from 30 line and 3259 ft. from 30 line of sec. 30

SE 30 42S 23E 91EM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildest San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the Kelly Bushing above sea level is 5073 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)

3-13-59 DST #2 5993-6044 Initial shut-in 1/2 hour, open 1-1/2 hours. Final shut-in 1-1/2 hours. Strong blow. Recovered 4552' sulphur water. ISIP 2129, IFP 518, PIP 2075, PSIP 2093, HP 3169. Bottom packer failed.

3-14-59 Set top Lynes packer at 5429', spotted 50 gallons mud acid, pumped in 60 gallons regular acid, re-set packers 5356' and 5429', pumped in 1000 gallons regular acid. Communicated around top packer during overflush. Overflushed with 7 barrels, moved packer to 5355- no communication.

3-14-59 Straddle packers at 5356 and 5428'. Swabbed - no fluid entry. Last two to swab runs recovered 1/2 barrel load water.

3-15-59 OVER
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 B. W. Shepard

Title Exploitation Engineer

JK

3-16-59 Bubbled dry. No oil or gas entry.

3-18-59 Plugged and abandoned 3-18-59.

MAR 31 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ALLOTTEE Tribal Lands
TRIBE Navajo
LEASE NO. 11-20-603-725

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County San Juan Field Akah-North Boundary Butte

The following is a correct report of operations and production (including drilling and producing wells) for the month of March, 1959,

Agent's address 705 West Municipal Drive Company Shell Oil Company
Farmington, New Mexico Signed [Signature] Original signed by B. W. SHEPARD

Phone Davis 5-8811 Agent's title Exploitation Engineer

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL No.	DATE PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
30 NW 1/4	42S	23E	63-1	-	-	-	-	-	-	Drilled to TD of 6213'. Abandoned 3-18-59.

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

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

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

SHELL OIL COMPANY

North Boundary Butte
Sunray Nav. WELL NO. 63-1

Wildcat

DRILLING REPORT

30

(FIELD)

(SECTION OR LEASE)

San Juan, Utah

3-18-59

T 42 S., R 23 E

(COUNTY)

(TOWNSHIP OR RANGE)

DAY	DEPTHS		REMARKS
	FROM	TO	
			Location: 1980' N and 3259' E of SW Corner Section 30, T. 42 S., R. 23 E., SLBM, San Juan County, Utah.
			Elevations: DF 5071.0 GR 5062.3 KB 5072.5
2-1 to 2-3	0	873	Spudded 2:00 A.M. 2-1-59. Cemented (29') 13-3/8" conductor pipe at 39' with 25 sacks cement treated with 2% calcium chloride. Drilled 497'. Ran and cemented (524') 8-5/8", 28#, J-55 casing at 534' with 200 sacks 1:1 Diamix followed by 200 sacks cement treated with 2% calcium chloride. Good returns to surface. Flanged up and waited on cement. Pressure tested casing and BOP with 700 psi. O.K.
2-4 to 2-10	873	1059	<u>Drilled 186'</u> . Stuck pipe at 1059' while drilling. Picked up driving tool - couldn't move pipe. Backed off leaving 18 drill collars in hole. Picked up safety joint and bumper sub went in hole - could not move pipe. Washed over pipe and recovered all drill collars.
2-11 to 2-25	1059	5234	<u>Drilled 4175'</u> .
2-26	5234	5288	<u>Drilled 54'</u> . Lost cone in hole, recovered with magnet.
2-27 to 3-1	5288	5413	<u>Drilled 39'</u> . <u>Cored 86'</u> . Core #1 5327-77 and Core #2 5377-5413. DST #1 - 5333-5413 Four R's Testing Company ran tester with two BT packers 5407 and 5413. Three pressure recorders 5413, 5411, and 5409, 27' of perforations - tail 79.86' long. Initial shut in 1/2 hour, open 1-1/2 hours, Final shut in 1-1/2 hours. Immediate weak blow, gradually becoming weaker after 45 minutes - almost dead at end of test. Recovered 30' very slightly oil cut mud. ISIP 125, IFP 89, FFP 89, FSIP 117, HP 2799.
3-1 to 3-4	5415	5793	<u>Drilled 378'</u> .

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

C. A. Woodward

SIGNED

DRILLING REPORT
FOR PERIOD ENDING:

3-18-59

Wildcat

(FIELD)

San Juan Utah

(COUNTY)

30

(SECTION OR LEASE)

T 12 S., R 23 E

(TOWNSHIP OR RANGE)

DAY	DEPTH		REMARKS
	FROM	TO	
3/5 to 3/6	5793	5908	<u>Drilled 67'</u> . Core #3 5860'-5908'. Rig shut down for repairs.
3/7	5908		Rig shut down for repairs.
3/8	5908	5996	<u>Drilled 88'</u> . Reamed cored interval (48').
3/9 to 3/10	5996	6083	<u>Drilled 12'</u> . <u>Cored 1'</u> . Core #4, 5996-97'. Cored 1 ft. & barrel plugged.
			<u>Drilled 23'</u> . <u>Cored 50'</u> . Core #5, 6010-6060'.
3/11 to 3/12	6083	6213	<u>Drilled 130'</u> . <u>Strapped pipe, T.D. 6213'</u> . Ran Induction-Electrical Survey, Gamma-Ray-Neutron, and Microlog.
3/13	6213	TD	DST #2 5993-6044 (6212') Four R's Testing Company ran tester with two 6-5/8" bobtail packers, at 5989 and 5993 with bottom packer at 6044'. 3/4" subsurface bean and 1" surface bean. Four pressure recorders: Kuster Amerada's at 6040 and 6036, and E type recorders at 6212 and 6210. Initial shut in 1/2 hour, open 1-1/2 hours, final shut in 1-1/2 hours. Strong blow. Recovered 4552' (62.3 bbls) sulphur water. ISIP 2129, IFP 518, FFP 2075, FSIP 2093, HP 3169. Bottom packer failed, but got a conventional test from 5993-6212'. On trip out with tester hydraulic valve parted and lower portion of tester (91') fell from 10' below the rotary table to 810'; recovered with overshot.
3/14			Ran bit, conditioned mud. Set top Lynes packer at 5429, spotted 50 gals of mud acid, set 1/2 hour, pumped in 60 gal. XFW; re-set packers at 5356-5429, pumped in 1000 gal. XFW, initial pressure 600 psi, maximum 2700 psi, final 2500 psi, shut-in 400 psi. Had communication around top packer during overflush. Moved packer to 5355', completed overflush of 7 bbls with no evidence of further communications.

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
DRILL PIPE SIZES				

C. A. Woodward

SIGNED

SHELL OIL COMPANY

North Boundary Butte
Sunray Nav. WELL NO. 63-1

DRILLING REPORT

FOR PERIOD ENDING

3-18-59

30

(SECTION OR LEASE)

T 12 S., R 23 E
(TOWNSHIP OR RANGE)

Wildcat

(FIELD)

San Juan Utah

(COUNTY)

DAY	DEPTHS		REMARKS
	FROM	TO	
3/15			Straddle packers at 5356 and 5429, swabbed 34 bbls load water — no oil or gas. Swabbed from 5300'.
3/16			Swabbed dry. Measured out of hole, found tubing and packers 1' deeper than originally reported. Pulled Lynes packer.
3/17			With open end drill pipe plugged as follows: 30 sacks cement 6075' 30 sacks cement 5400' 30 sacks cement 4350' 50 sacks cement 1250' 60 sacks cement 547'
3/18			Located top plug at 503. Released rig 11:00 P.M. 3-17-59. Installed abandonment marker with a 10 sack cement plug. Abandoned 3-18-59. Checked BOP daily Mud Summary Wt. 9-9.6 #/gal Vis 35-43 Sec WL 3.8 - 14.4 cc FC 2/32 in. Contractor: Great Western Drlg. Co. Drillers: A. W. Kirk L. D. Hughes L. W. Rambo Contr.Pusher-O. L. Plynell Co. Pusher-C. L. Christiansen

CONDITION AT BEGINNING OF PERIOD				
HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
12 $\frac{1}{2}$ "	0	536	8-5/8"	534'
7-7/8"	536	6213		
DRILL PIPE 4 $\frac{1}{2}$ " SIZES				

get

C. A. Woodward

SIGNED

WEEK ENDING February 28, 1959
 CORE FROM 5327 TO 5343
 CORES EXAMINED BY D. G. Conner & Roy Few

SHELL OIL COMPANY
CORE RECORD

AREA OR FIELD N. B. B.
 COMPANY Shell-Sunray
 LEASE AND WELL NO. Nav. 63-1

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS
							OIL-GAS
							CORE OR DITCH
1	5327	5377	46'	Most of Lost Interval in Porosity at Base of Core			
	5327	28		<u>Limestone</u> , tan, moderately sandy, fusulinids, tubular & mobile forams, other bioclastics.			
	28	29		<u>Limestone</u> , as above, pyrite.			
	29	30		<u>Dolomite</u> , grey, very silty, limy, micaceous, pyrite, probably shaly.			
	31	32		<u>Limestone</u> , tan, IA, slightly sandy, few chert inclusions, very abundant tubular forams, few brachiopods, spines, etc.			
	32	33		<u>Limestone</u> , as above, plus ostracods.			
	33	34		<u>Limestone</u> , as above, IA, less tubular forams, more brachiopods, crinoids.			
	34	35		<u>Limestone</u> , grey III/IVF, silty, very abundant, fusulinids.			
	35	36		<u>Limestone</u> , as above.			
	36	37		<u>Limestone</u> , as above, very silty, micaceous, pyrite, very abundant fusulinids.			
	37	38		<u>Limestone</u> , as above, slightly cherty.			
	38	39		<u>Limestone</u> , as above.			
	39	40		<u>Limestone</u> , as above, more pyrite.			
	40	41		<u>Limestone</u> , as above, more brachiopods and bioclasts, less fusulinids.			
	41	42		<u>Limestone</u> , as above, still abundant fusulinids, pyrite, silty.			
	42	43		<u>Limestone</u> , as above, fauna mostly brachiopod - fenestrate bryozoan, few crinoids.			

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%). S-SAND (90-100%).
 NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND.

SHELL OIL COMPANY

WEEK ENDING February 28, 1959

CORE FROM 5343 TO 5477

CORES EXAMINED BY D. C. Conner & Roy Few

CORE RECORD

AREA OR FIELD N. B. B.

COMPANY Shell-Sunray

LEASE AND WELL NO. Nav. 63-1

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS
							OIL-GAS
							CORE OR DITCH
	43	44		<u>Limestone</u> , tan, IA, much sparry calcite, scattered coarse bioclastics.			
	44	45		<u>Limestone</u> , tan, IVF-LA, brecciated, slightly dolomitic, sparse algal plates, encrusting bryozoan, brachiopods; slightly pelletoid, abundant replacement anhydrite.			
	5345	46		<u>Limestone</u> , as above, slightly more dolomitic.			
	46	47		<u>Limestone</u> , light grey, slightly dolomitic, pyritic, common crinoids.			
	47	48		<u>Dolomite</u> , grey, very silty and/or <u>siliceous</u> , pyritic.			
	48	49		<u>Chert</u> , dolomitic, grey.			
	49	50		<u>Dolomite</u> , grey, limy, very silty, micaceous, pyrite, probably shaly.			
	50	51		<u>Dolomite</u> , as above.			
	51	56		<u>Shale</u> , black, very silty, limy, pyritic.			
	56	66		<u>Shale</u> , black, dolomitic, <u>clam mold</u> .			
	66	67		<u>Limestone</u> , dark grey, shaly, I/II A, abundant crinoids, small brachiopods.			
	67	68		<u>Limestone</u> , dark brown, shaly, mostly crinoidal, pyrite.			
	68	69		<u>Limestone</u> , as above, probably dolomitic, silty, shaly, fauna mostly punctate, brachiopods, few crinoids.			
	69	70		<u>Limestone</u> , as above.			
	70	73		<u>Limestone</u> , tan, slightly dolomitic, III/IVF-FA-BC ₂ , pelletoid-algal,			
	73	77		<u>Lost</u> (?)			black dead, O stain, strong uniform fluorescence cut fluorescence bleeding O/.

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%). S-SAND (90-100%).
 NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND.

SHELL OIL COMPANY

WEEK ENDING March 7, 1959

CORE FROM 5377 TO 5431

CORES EXAMINED BY Roy Few & Don Conner

CORE RECORD

AREA OR FIELD N. Boundary Butte

COMPANY Shell-Sunray

LEASE AND WELL NO. Nav. 63-1

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS
							OIL-GAS CORE OR DITCH
2	5377	5413	36'				
	5377	80		<u>Dolomite</u> , light to medium gray, IIIvFA-FA, argillaceous and micaceous, calcareous in part.			
	80	82		<u>Limestone</u> , light brown to medium gray, I-IIIvFA, dolomitic, argillaceous, silty, abundant crinoid stems and occasional pyrite inclusions.			
	82	85		<u>Limestone</u> , tan to light gray, IvFA, silty in part, occasional fossil fragments.			
	85	87		<u>Limestone</u> , tan to light gray, IvFA, very oolitic (70% of rock).			
	87	88		<u>Limestone</u> , light brown, III-Ivf(B&C) ₂ , argillaceous			
	88	91		<u>Limestone</u> , light brown to light gray, IvF (B&C) ₄₋₈ (leached oolitic oolitic porosity) very abundant oolites (90% of rock composed of oolites).			<u>95% bright yellow uniform sample fluorescence & cut Fluore</u>
	91	96		<u>Limestone</u> , light brown to light gray III-IIvf(B&C) ₃₋₅ , fossiliferous, occasional argillaceous streaks.			<u>cence, bleeding oil.</u> <u>80-100% bright yellow sample fluorescence and cut fluorescence</u>
	96	97		<u>Limestone</u> , light brown to light gray, IIIvfb ₁₋₂ , dolomitic, argillaceous.			<u>100% pale to bright yellow sample fluorescence and cut fluorescence.</u>
	97	98		<u>Limestone</u> , tan, IVFA, abundant, stylolitic streaks.			
	98	5400		<u>Limestone</u> , light brown to light gray, IIIvfbtr, argillaceous, slightly silty in part.			<u>90% bright yellow sampl fluorescence and cut fluorescence</u>
	5400	02		<u>Limestone</u> , medium brown to dark gray, IvFA, very argillaceous to argillaceous, occasional white anhydrite inclusions.			
	02	04		<u>Limestone</u> , medium brown to light gray, IvFA, argillaceous and silty, stylotic, micaceous, slighty dolomitic in part.			
	04	09		<u>Limestone</u> , medium brown to medium gray, IvFA, dense, argillaceous.			
	09	13		<u>Limestone</u> , dark gray, IvFA, dense, very argillaceous & stylolitic, siliceous occasional to abundant fossil fragments, crinoid buttons.			

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%). S-SAND (90-100%).
NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND.

WEEK ENDING March 7, 1959

SHELL OIL COMPANY

CORE FROM 5860 TO 5884

CORE RECORD

AREA OR FIELD North Boundary ButteCORES EXAMINED BY Roy Few & C.A. WoodwardCOMPANY Shell-SunrayLEASE AND WELL NO. Navajo 63-1

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS
							OIL-GAS
							CORE OR DITCH
3	5860	5908	46				
	5860	61		<u>Dolomite</u> , tan to medium brown, I-III VFA, massive, very hard, occasional white anhydrite streak, occasional black shale parting.			
	61	62		<u>Dolomite</u> , as above, with occasional crinoid stems.			
	62	67		<u>Dolomite</u> , tan to light grey, IVFA, massive, very hard, occasional white to clear anhydrite inclusions, occasional dark grey shale partings, rare to occasional dark brown chert inclusions.			
	67	69		<u>Dolomite</u> , light to medium grey, IVFA, massive, very hard, argillaceous, occasional white anhydrite inclusions.			
	69	71		<u>Dolomite</u> , dark brown to medium grey, III-IVFB ₁₋₂ C ₁ , massive, hard, argillaceous, occasional white anhydrite inclusions.			
	71	73		<u>Dolomite</u> , as above, III-IVFB _{TR-1} .			
	73	74		<u>Dolomite</u> , tan to light grey, I-III VFB _{TR-1} , massive, very hard, abundant dark grey, argillaceous streaks, & occasional white anhydrite inclusions.			
	74	75		<u>Dolomite</u> , as above, I-III VFB _{TR} .			
	75	77		<u>Dolomite</u> , as above, I-III VFA.			
	77	78		<u>Dolomite</u> , light grey, IVFA, massive, very hard, occasional oblique calcite filled fracture.			
	78	80		<u>Dolomite</u> , tan to light grey, IVFA, massive very hard,			
	80	82		<u>Dolomite</u> , light brown to medium grey, I-III VFA, massive, very hard, occasional to abundant milky to brown chert inclusions.			
	82	84		<u>Dolomite</u> , light brown to medium grey, IIIVF B _{TR} , massive, very hard, argillaceous in part.			

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.

WEEK ENDING March 7, 1959

SHELL OIL COMPANY

CORE FROM 5884 TO 5906

CORE RECORD

AREA OR FIELD North Boundary Butte

COMPANY Shell-Sunray

CORES EXAMINED BY Roy Few & C.A.Woodward

LEASE AND WELL NO. Navajo 63-1

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS
							OIL-GAS
							CORE OR DITCH
	84	86		<u>Dolomite</u> , light grey, IIIVF B _{tr.} , massive, very hard, argillaceous, occasional calcareous & anhydrite filled fractures.			
	86	87		<u>Dolomite</u> , medium to dark brown, IVF B _{tr.} , massive, very hard, dense, argillaceous.			
	87	89		<u>Dolomite</u> , light grey, IIIVFB _{tr.} , massive, very hard, occasional stylolite streaks & occasional dark brown chert inclusions.			
	89	91		<u>Dolomite</u> , tan, IVFB _{tr.} , massive, very hard, occasional to abundant clear anhydrite crystals & inclusions.			
	91	92		<u>Dolomite</u> , tan to light grey, IVFB _{tr.} , massive, very hard, dense, argillaceous in part.			
	92	93		<u>Dolomite</u> , medium brown, IVFB _{tr.} , massive, very hard, siliceous, with abundant milky to dark brown chert streaks & inclusions rare stylolite streaks.			
	93	94		<u>Dolomite</u> , light grey I-IIIIVFA, massive, very hard, occasional dark grey, argillaceous partings.			
	94	96		<u>Dolomite</u> , tan to light grey, I-IIIIVFA, massive, very hard, argillaceous, occasional white anhydrite inclusions.			
	96	99		<u>Dolomite</u> , medium grey, IVFA, massive, very hard, argillaceous, occasional stylolite streaks, occasional dark grey shale partings.			
	99	5901		<u>Dolomite</u> , dark brown to dark grey, IIIIVFA, massive, very hard, argillaceous, with occasional white anhydrite inclusions & milky chert streaks.			
	5901	03		<u>Dolomite</u> , tan to light grey, IVFA, massive, very hard, with abundant clear & white anhydrite crystals & inclusions.			
	5903	05		<u>Dolomite</u> , medium brown to medium grey, IVFA, massive, very hard, argillaceous, with occasional white anhydrite inclusions.			
	05	06		<u>Dolomite</u> , light to medium brown, I-IIIIVFA, massive, very hard, fossiliferous, occasional crinoid stem occasional fusulinid, abundant white to clear anhydrite streaks.			

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%). S-SAND (90-100%).
 NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND.

SHELL OIL COMPANY

WEEK ENDING 3-14-59

CORE FROM 5995 TO 6031

CORES EXAMINED BY Roy Few

CORE RECORD

AREA OR FIELD Wildcat

COMPANY Shell Oil Company

LEASE AND WELL NO. 63-1

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATION
							OIL-GAS
CORE OR DIT							
4	5995	5996	1'	5995-96 <u>Limestone</u> , tan, IVFA, with occasional dark grey chert bands & inclusions. 5996-6005 <u>Limestone</u> , white to tan, I-IIIIVFA, occasional chert inclusions, banded chert streaks, occasional medium grey shale partings. 05-10 <u>Limestone</u> , white to tan, I-IIVFA.			
5	6010	6060	47'	6010-12 <u>Shale</u> , light grey to blue grey, dolomitic, silty. 12-14 <u>Dolomite</u> , tan to light grey, IIIIVF-F(B+C) ₃ , occasional white anhydrite inclusions, pore-filling anhydrite inclusions. 14-15 <u>Dolomite</u> , light grey, III-IVF-F(B+C) ₄₋₅ , pore-filling anhydrite inclusions. 15-16 <u>Dolomite</u> , medium grey, I-IIIIVF(B+C) ₂ , argillaceous. 16-18 <u>Dolomite</u> , light grey I-IIIIVF(B+C) ₃ , occasional dark grey argill-argillaceous streaks. 18-25 <u>Dolomite</u> , light to medium grey, I-IIIIVF B ₂ (C+D) ₈₋₁₀ , occasional pore-filling anhydrite inclusions. 25-26 <u>Dolomite</u> , light grey, IIIIVF(B+C) ₃₋₅ . 26-28 <u>Dolomite</u> , tan to light grey, IVFA, argillaceous in part, occasional shale partings and anhydrite inclusions & streaks. 28-30 <u>Dolomite</u> , tan to light grey, IVFA, rare pyritic crystals, occasional hairline anhydrite filled fractures, occasional dark grey argillaceous streaks. 30-31 <u>Dolomite</u> , medium grey, I-IIIIVFA, dense.			

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.

WEEK ENDING 3-14-59
 CORE FROM 6031 TO 6047
 CORES EXAMINED BY Roy Few

SHELL OIL COMPANY
CORE RECORD

AREA OR FIELD Wildcat
 COMPANY Shell Oil Company
 LEASE AND WELL NO. 63-1

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATION
							OIL-GAS
CORE OR DIT							
<u>5</u>	<u>Continued</u>						
				31-32 <u>Limestone</u> , dark brown to medium grey, IVFA, very argillaceous, abundant fossiliferous & shell fragments in part.			
				32-33 <u>Shale</u> , blue grey, silty & dolomitic.			
				33-34 <u>Limestone</u> , light brown to medium grey, IVFA, silty, argillaceous in part, fossiliferous.			
				34-39 <u>Limestone</u> , tan to light grey, IVFA, abundant micro-fossiliferous fragments, rare crinoid buttons, occasional argillaceous streaks, occasional clear crystals calcite inclusions.			
				39-40 <u>Limestone</u> , light grey, III-IVFA, occasional fusulinid & fossiliferous shell fragments, occasional calcite filled fractures.			
				40-41 <u>Dolomite</u> , medium grey-blue grey, I-IIIIVFA, argillaceous, silty, occasional calcite inclusions.			
				41-42 <u>Limestone</u> , tan to light grey, IVFA, silty in part, with occasional dark grey shale partings.			
				42-44 <u>Limestone</u> , light brown to light grey, IVFA, <u>oolitic</u> (limestone 95% at rock composed of oolitic & microfossiliferous).			
				44-45 <u>Limestone</u> , as above, with occasional light grey argillaceous partings.			
				45-46 <u>Shale</u> , medium grey, well laminated, calcareous, (grades to very argillaceous limestone within.)			
				46-47 <u>Dolomite</u> , light blue grey, I-IIIIVFA, pyritic, very argillaceous, very sandy.			

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%). S-SAND (90-100%).
 NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND.

SHELL OIL COMPANY

WEEK ENDING 3-14-59

CORE FROM 6047 TO 6057

CORES EXAMINED BY Roy Few

CORE RECORD

AREA OR FIELD Wildcat

COMPANY Shell Oil Company

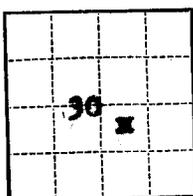
LEASE AND WELL NO. 63-1

NO.	FROM	TO	RECOV- ERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS OIL- GAS
							CORE OR DITCH
<u>5</u>	<u>Continued</u>			<p>47-50 <u>Shale</u>, light blue grey, soft, punky-dolomitic.</p> <p>50-53 <u>Limestone</u>, light brown to light grey, IVFA, fossiliferous, with occasional clear calcite crystals & calcite-filled fractures, fossiliferous, argillaceous in part, occasional light grey shale partings.</p> <p>53-55 <u>Limestone</u>, light medium brown, IVFA, fossiliferous, forams?.</p> <p>55-57 <u>Limestone</u>, tan to light grey, IVFA, occasional stylolite streaks, occasional fossiliferous & brachiopod fragments, occasional clear & white calcite inclusions.</p>			

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%). S-SAND (90-100%).
 NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND.

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal Lands
Lease No. 14-20-603-725

7/4
4-70

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	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

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

April 9, 1959

Well No. Nav. 62-1 is located 1980 ft. from NE line and 3259 ft. from W line of sec. 30

SE 30 42S 23E S10M
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the Kelly bushing ~~static level~~ above sea level is 5173 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)

Abandonment Work:

1. With open end drill pipe plugged as follows:
 - a. 30 sacks cement at 6075' (5975-6075)
 - b. 30 sacks cement at 5400' (5300-5400)
 - c. 30 sacks cement at 4350' (4250-4350)
 - d. 50 sacks cement at 1250' (1100-1200)
 - e. 50 sacks cement at 600' (500-600)

2. Found top plug at 503'.

3. Installed marker with a 10 sack surface plug and abandoned. 3-18-59.

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 B. W. Shepard
Title Exploitation Engineer

W/C