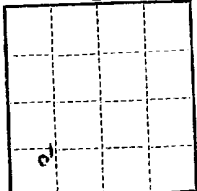


Form 9-331a
(Feb. 1951)

Section 8



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa Fe
Lease No. NH-046
Unit Cheney-Federal

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

RECEIVED
OCT 5 1956
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

October 3, 1956

Cheney-Federal
Well No. 1 is located 990 ft. from N line and 990 ft. from W line of sec. 8
SW 1/4 Section 8 26 N 2 W N.M.P.M.
Undesignated Pictured Cliff Gas (Range) (Meridian)
Pool & Mesa Verde Rio Arriba New Mexico
(Field) (County or Subdivision) (State or Territory)
(Est.)

The elevation of the derrick floor above sea level is 7215 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)

We propose to drill the above well to a Total Depth of Approximately 6300' with Rotary tools. We expect to test the following zones at the following approximate Depths:

<u>SAND</u>	<u>EXPECTED TOP</u>
<u>Pictured Cliff</u>	<u>3630'</u>
<u>Mesa Verde</u>	<u>6200'</u>

We expect to test any other zones that appear productive of Oil or Gas. Casing Program: Approximately 300' of 10-3/4" casing w/Approximately 300 sx cement, Approximately 4000' of 7-5/8" casing w/Approximately 150 sx cement, Approximately 2300' of 5-1/2" liner w/Approximately 200 sx cement on bottom & will squeeze top of 5-1/2" liner w/Approximately 200 sx cement. We propose to perforate productive zones in Mesa Verde & Fracture Formation w/Approximately 40,000 gal water using 1/4 sand per gal at injection rate of not less than 40 bbl per min. We also propose to perforate Pictured Cliff zone and fracture in same method as the Mesa Verde.

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

Company Magnolia Petroleum Company
Address P. O. Box 633
Midland, Texas

By R. T. GERMAN,
Title Division Superintendent

NEW MEXICO
OIL CONSERVATION COMMISSION

Form C-128

Well Location and/or Gas Proration Plat

Date October 3, 1956

Operator Magnolia Petroleum Company Lease Cheney-Federal

Well No. One (1) Section 8 Township 26 N Range 2 W NMPM

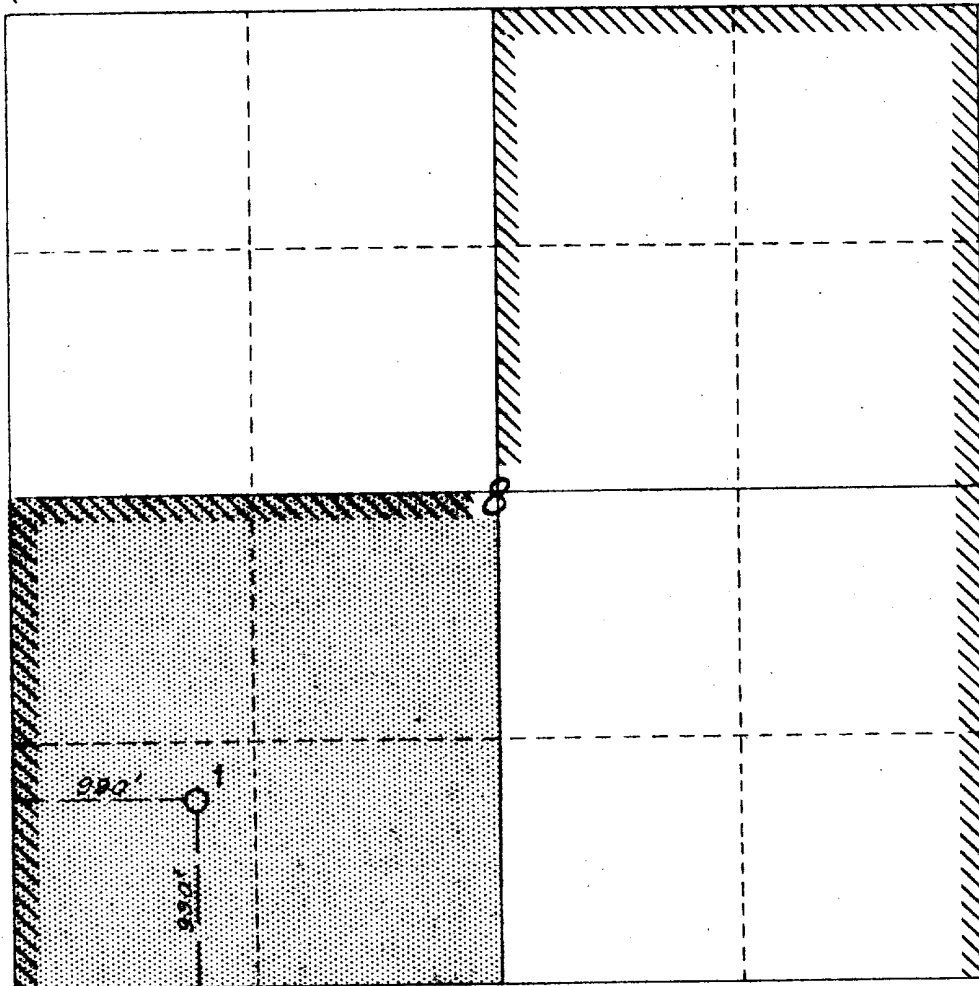
Located 990 Feet From South Line, 990 Feet From West Line,

Rio Arriba County, New Mexico.

G. L. Elevation 7203
Undesignated Pictured

Name of Producing Formation Pictured Cliffs Pool Cliffs Gas Dedicated Acreage 160

(Note: All distances must be from outer boundaries of Section)



RECEIVED
OCT 5 1956
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

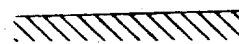


LEGEND

Allocated
Acreage



Lease
Boundary



1. Is this Well a Dual Comp.? Yes X No. _____

2. If the answer to Question 1 is yes, are there any other
dually completed wells within the dedicated acreage?
Yes _____ No X

Name R. T. GERMAN
Position Division Superintendent
Representing Magnolia Petroleum Company
Address P. O. Box 633, Midland, Texas

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.

Date Surveyed September 31, 1956

W.D. Hill
Registered Professional Engineer and/or Land Surveyor
1415

NEW MEXICO
OIL CONSERVATION COMMISSION

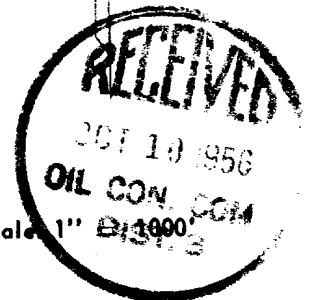
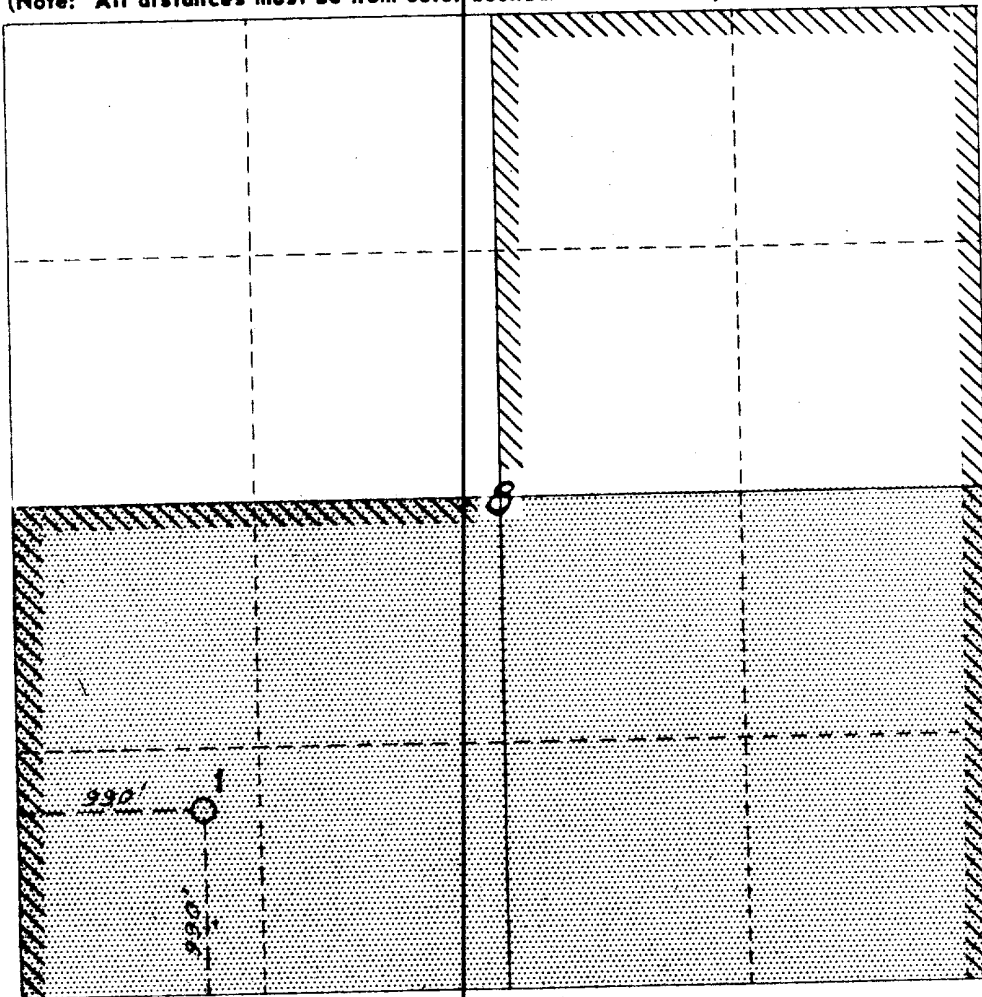
Form C-128

Well Location and/or Gas Proration Plat

Date October 3, 1956

Operator Magnolia Petroleum Company Lease Cheney-Federal
Well No. One (1) Section 8 Township 26 N Range 2 W NMPM
Located 990 Feet From South Line, 990 Feet From West Line,
Rio Arriba County, New Mexico. G. L. Elevation 7203
Name of Producing Formation Mesa Verde Pool Blanco Dedicated Acreage 320

(Note: All distances must be from outer boundaries of Section)

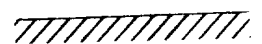


LEGEND

Allocated
Acreage



Lease
Boundary



1. Is this Well a Dual Comp.? Yes X No. _____
2. If the answer to Question 1 is yes, are there any other dually completed wells within the dedicated acreage? Yes _____ No X

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.

Name R. T. GERMAN
Position Division Superintendent
Representing Magnolia Petroleum Company
Address P. O. Box 633, Midland, Texas

Date Surveyed September 31, 1956

W. D. Hill
Registered Professional Engineer and/or Land Surveyor
1415

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER NM-046
LEASE OR PERMIT TO PROSPECT Cheney-Federal

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Magnolia Petroleum Company Address P.O. Box 633 Midland, Texas
Lessor or Tract Cheney-Federal Field Extension of Blanco State New Mexico
Well No. 1 Sec. 8 T 26N R. 2W Meridian N.M.P.M. County Rio Arriba
Location 990 ft. N. of S Line and 990 ft. E. of W Line of Sec. 8 Elevation 7215
(Derive from positive 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.

Date December 26, 1956 Signed R.T. German
Title Division Superintendent

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

Commenced drilling October 15, 1956 Finished drilling November 7, 1956

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

(Denote gas by G)

No. 1, from 3608	to 3780'	(G)	No. 4, from -----	to -----	
No. 2, from 5495	to 6037'	(G)	No. 5, from -----	to -----	
No. 3, from -----	to -----		No. 6, from -----	to -----	

IMPORTANT WATER SANDS

No. 1, from 3349 to 3500 No. 3, from to FEB 7 1957
No. 2, from to No. 4, from to ON 60N.COM

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
10-3/4	32.75	8 RT	H 40	295					
7-5/8	24.00	8 RT	H 40	200					
7-5/8	24.00	8 RT	H 40	200					
5 1/2	19.00	8 RT	H 40	200					

MUDDING AND CEMENTING RECORD

	Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
MARK	10-3/4	295	200	Circ.		
	7 1/2	3980	125	Circ.	1.1044	133 BBL
	5 1/2	6150	125	Pmp. & Plg.		

PLUGS AND ADAPTERS

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

SHOOTING RECORD

[illegible]

TOOLS USED

Rotary tools were used from 0 feet to 6150 feet, and from ----- feet to ----- feet.
Cable tools were used from ----- feet to --- feet, and from ----- feet to ----- feet.

DATES

Potentialled & Shut in.	19	DATES	Shut in waiting Put to producing on sale of Gas.	19
----------------------------	----	-------	---	----

The production for the first 24 hours was 0 barrels of fluid of which 0% was oil; 0% emulsion; 0% water; and 0% sediment. Gravity, °Bé. 56

If gas well, cu. ft. per 24 hours Pic. Cliff. 0 Gallons gasoline per 1,000 cu. ft. of gas No Test
 Rock pressure, lbs. per sq. in. Mesa Verda 10090 MCF.

EMPLOYEES

Fleeger-Riley Drilling Co., Driller _____, Driller _____
721 Meadows Bldg. _____, Driller _____, Driller _____
Dallas, Texas

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
3349	3500	151	OJO Alamo
3500	3608	108	Kirtland Fruitland
3608	3780	172	Pictured Cliff
3780	5495	1715	Lewis
5495	5573	78	Cliff House
5573	5879	306	Menefee
5879	6037	158	Point Lookout
6037	6150	113	Mancus

SUMMARY OF OPERATIONS

10-15-56	Spudded.
10-17-56	Run 10-3/4" Csg. on btm W/200 sx. Circ.
10-22-56	Down 15 hrs. Working stuck Drill Pipe free.
10-30-56	Ran Elect. logs and 7-5/8" Csg. on btm W/125 sx. @ 3260'.
11-1-56	WOC 7-5/8" Csg on btm.
11-2-56	Drilling with Gas.
11-5-56	Down 9 hrs. waiting on Gas.
11-8-56	Ran elec. logs & 5 1/2" Cag on btm W/125 sx Cem. @ Top of cem @ 4270'
11-12-56	6150' TD. Set Retainer @ 3816'. Cemented over top of 5 1/2" liner @ 3849'. W/100 sx. Drilled out cem. in 7-5/8" Csgto 3849'. Drilled out plug in 5 1/2" liner to 6105' PBTD.
11-13-56	Perf. 5 1/2" liner 5497-5506, 5516-5537, 5548-5570, 5617-5622, 5695-5707, 5821-5829, 5881-5914, 5924-5942, 5951-5972, & 5987-6000' W/ 6 shots per ft.

11-15-56 Sand-water frac 10 sets Mesa Verde Perf. W/160,000 Gals.
 11-16-56 Ran Tbg to 3500'. Flowed 2000 BLW 12 hrs. thru csg. Leak in
 7" flow line, blew line into, Caught fire, burned rig to ground.
 11-19-56 Cleared rig off location. Head & blowout preventer over well
 blazing at 45 degree angle.
 11-20-56 Shot out fire at 12 noon. Moved off blow-out preventor & well head
 11-21-56 Cut off 10-3/4" csg. 6' below ground level. Cut 7-5/8" csg 3 1/2'
 below ground level. Installed 10' Cameron Head, Capped well W/4"
 valve. Kill well W/350 bbls. water.
 11-22-56 Shut in after 14 hrs. CP 1000#. Pump in 350 bbls. water on Vac.
 11-23-56 Moving in Rotary.
 11-26-56 Rigged up Rotary. Killed well W/water in hole on Vac. loaded
 hole W/300 bbls. water-holding. Installed Blow out Preventer.
 11-27-56 Set Bridge Plug at 2244'. Installed well head. Nippling up
 7" casing.
 11-28-56 Nippled up 7-5/8" csg, tested 2300#. 30 min. OK. Pulled bridge
 plug at 224'. Ran overshot & jars, caught 2" tubing at 2780'.
 Jarred 2 hrs. pulled 105 joints 2" tubing. Fishing for 12 joints
 left in hole with overshot & jars.
 11-30-56 Ran over-shot Picked up fish @ 5950', Rec. 11' of 2" tbg & collar,
 Ran drill pipe and Bti, and hit bridge @ 5950; drilled from 5950'-
 5970', washed on to 6105'. There was no more fish, in hole.
 12- 3-56 Perf. Pictured Cliff 3613-37', 3724-49', 3759-65, 3773-77',
 W/6 shots per ft. Set Bridge plug @ 3871'. Sand water-frac perf.
 3613-3637! 3724-3749, 3759-65, 3773-77' W/60,000 Gals. Flowed
 50 BLW thru open 2" & died. Pulled Bridge plug @ 3871'. Ran
 dual strings tbg. Rig released 3 PM 12-2-56. Prep to come in
 swb unit.
 12-7-56 Shut in for Gas Potential.

Band-water line to sets Mass Verde Part. W/100,000 Gals.
 Ran Tbg to 3500'. Flowed 2000 BLW 12 hrs. thru csg. Leak in
 7" flow line, blew line into Canyon fire, burned rig to ground.
 Closed rig off location. Began a blowout prevented over well
 flowing as up jammed angle.
 Shot out line as in room. Moved off blow-out prevented & well head
 out 12-1/2" csg. 0' below ground level. Out 7-1/2" csg 32'
 below ground level. Installed 10' Canyon Head, capped well with
 valve. Kill well W/1000 bbls. water.
 Shot in after 12 hrs. 02 1000 bbls. pump in 350 bbls. water on vac.
 flowing in rotary.
 Ripped up set 75'. Killed well & water in hole on vac. loaded
 hole W/1000 bbls. water-cementing. Installed blow out preventer.
 Set bridge plug at 3471'. Installed well head. Nipping at
 7" casing.
 Ripped up 7-1/2" csg, tested 3500'. 10 min. 02, failed bridge
 plug at 3247'. ran over shot & jars, caught 2" tubing at 2780'.
 Jailed 1 hr. pulled 100 joints 2" casing. Standing for 12 joints
 left in hole with over-shot & jars.
 12- over-shot stuck up 3150'. Rec. 11' of 2" tie & collar;
 ran drill pipe and 85', and this bridge at 2450'; drilled from 2550'
 2450'; washed on to 6105'. There was a core flash in hole.
 Test. Shattered drill 3613-3771'. 3724-3771'. 3752-3771'.
 476 shots per ft. Set bridge plug at 3871'. Band water-trac part.
 3613-3637'. 3724-3771'. 3752-3771'. 3773-3771'. Flowed
 50 BW thru case 2" & 12-1/2" csg. Killed bridge plug at 3871'. Ran
 dual strings 2450'. Rig released 2 12-1/2-50. Prep to come in
 and split.
 Shut in for gas potential.

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