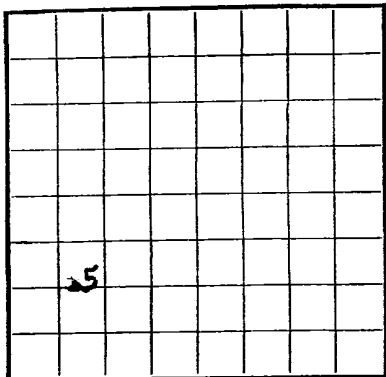




UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **Magnolia Petroleum** Address **Box 2406, Hobbs, New Mexico**

Lessor or Tract **Jicarilla #7** Field **Blanco** State **New Mexico**

Well No. **5** Sec. **23** T. **27N** R. **3W** Meridian **N.M.P.M.** County **Rio Arriba**

Location **990** ft. **N.** of **8** Line and **990** ft. **E.** of **W** Line of **Sec. 14** Elevation **7212**
(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 *G. Young, Jr.* Title **District Superintendent**

Date **October 8, 1958**

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

Commenced drilling **August 22**, 19**58** Finished drilling **September 3**, 19**58**

OIL OR GAS SANDS OR ZONES			
(Denote gas by G)			
No. 1, from 3888	to 3915	0	No. 4, from _____ to _____
No. 2, from 5707	to 6199	0	No. 5, from _____ to _____
No. 3, from _____	to _____		No. 6, from _____ to _____

IMPORTANT WATER SANDS			
No. 1, from _____	to _____	No. 3, from _____	to _____
No. 2, from _____	to _____	No. 4, from _____	to _____

CASING RECORD									
Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
3 1/4"	32.75	8RT	H-40	294'					Surface
5 1/8"	26.40	8RT	H-55	6229'			3848	4715	Intermediate
HISTORIA OF OIL ON CAS WELLS									

MUDDING AND CEMENTING RECORD					
Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	306	250 sacks	Plug & Pump		
7-5/8"	6240	125 sacks	Plug & Pump		
5"	6280	225 sacks	Plug & Pump		

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 **6280** feet, and from _____ feet to _____ feet

Cable tools were used from **0** feet to **0** feet, and from _____ feet to _____ feet

DATES

October 7, 19**58** Put to producing **Shut in wait on connections**

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

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD			
FROM—	TO—	TOTAL FEET	FORMATION
3394	3606	212	Ojo Alamo
3606	3882	276	Kirtland Fruitland
3882	3986	104	Pictured Cliffs
3986	5705	1719	Lewis
5705	5753	48	Cliffhouse
5753	6025	272	Mesaverde
6025	6280	255	Mancos

PERFORATIONS

Perforate **5"** liner **5707-11, 5720-37, 5993-99, 6081-86, 6123-28, 6158-67, 6173-77, 6192-99** w/11 1/4 jet shots. Perforate **7-5/8"** csg. **3888-3915** w/5 1/4 jet shots.

POTENTIAL TEST

Mesaverde zone after shut-in 178 hrs. - TP 1377#. Flow 3 hrs. thru 3/4" choke - TP 208#. IP 2462 MCF/day. Calculated absolute open flow 2662 MCF/day.

Pictured Cliffs zone - after SI 178 hrs. - TP 1010 - GP 1003. Flow 3 hrs. thru 3/4" choke. TP 92#, GP 222#, IP 1065 MCF/day. Calculated absolute open flow 1110 MCF/day.

(Continued next page)

[illegible]

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY.

Company _____

Lessor or Trust _____

Well No. _____

Location _____ of _____

Section _____

Time and date _____

of _____

County _____

State _____

Address _____

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

Signed _____

This _____

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

OIL OR GAS SANDS OR ZONES

No. 1 from		No. 2 from		No. 3 from	
1	2	1	2	1	2
1	2	1	2	1	2
3	4	3	4	3	4
5	6	5	6	5	6
7	8	7	8	7	8
9	10	9	10	9	10
11	12	11	12	11	12
13	14	13	14	13	14
15	16	15	16	15	16
17	18	17	18	17	18
19	20	19	20	19	20
21	22	21	22	21	22
23	24	23	24	23	24
25	26	25	26	25	26
27	28	27	28	27	28
29	30	29	30	29	30
31	32	31	32	31	32
33	34	33	34	33	34
35	36	35	36	35	36
37	38	37	38	37	38
39	40	39	40	39	40
41	42	41	42	41	42
43	44	43	44	43	44
45	46	45	46	45	46
47	48	47	48	47	48
49	50	49	50	49	50
51	52	51	52	51	52
53	54	53	54	53	54
55	56	55	56	55	56
57	58	57	58	57	58
59	60	59	60	59	60
61	62	61	62	61	62
63	64	63	64	63	64
65	66	65	66	65	66
67	68	67	68	67	68
69	70	69	70	69	70
71	72	71	72	71	72
73	74	73	74	73	74
75	76	75	76	75	76
77	78	77	78	77	78
79	80	79	80	79	80
81	82	81	82	81	82
83	84	83	84	83	84
85	86	85	86	85	86
87	88	87	88	87	88
89	90	89	90	89	90
91	92	91	92	91	92
93	94	93	94	93	94
95	96	95	96	95	96
97	98	97	98	97	98
99	100	99	100	99	100

ESTIMATED DELAY: THREE MONTHS

No. 7069

No. 7070

06-28-1997

Case No.	Case Name	Case Description	Case Status	Case Date	Case Location	Case Type	Case Category	Case Subcategory	Case Priority	Case Assigned To	Case Assigned On	Case Assigned By	Case Assigned To Email	Case Assigned To Phone	Case Assigned To Address	Case Assigned To City	Case Assigned To State	Case Assigned To Zip	Case Assigned To Country	Case Assigned To Region	Case Assigned To Division	Case Assigned To Department	Case Assigned To Office	Case Assigned To Unit	Case Assigned To Team	Case Assigned To Group	Case Assigned To Role	Case Assigned To Title	Case Assigned To Position	Case Assigned To Rank	Case Assigned To Grade	Case Assigned To Level	Case Assigned To Class	Case Assigned To Course	Case Assigned To Program	Case Assigned To Degree	Case Assigned To Certificate	Case Assigned To License	Case Assigned To Permit	Case Assigned To Registration	Case Assigned To Accreditation	Case Assigned To Certification	Case Assigned To Qualification	Case Assigned To Competency	Case Assigned To Skill	Case Assigned To Knowledge	Case Assigned To Ability	Case Assigned To Talent	Case Assigned To Potential	Case Assigned To Capacity	Case Assigned To Performance	Case Assigned To Productivity	Case Assigned To Efficiency	Case Assigned To Effectiveness	Case Assigned To Quality	Case Assigned To Quantity	Case Assigned To Value	Case Assigned To Impact	Case Assigned To Contribution	Case Assigned To Influence	Case Assigned To Power	Case Assigned To Authority	Case Assigned To Responsibility	Case Assigned To Accountability	Case Assigned To Ownership	Case Assigned To Control	Case Assigned To Management	Case Assigned To Leadership	Case Assigned To Supervision	Case Assigned To Direction	Case Assigned To Guidance	Case Assigned To Instruction	Case Assigned To Training	Case Assigned To Development	Case Assigned To Growth	Case Assigned To Progress	Case Assigned To Achievement	Case Assigned To Success	Case Assigned To Fulfillment	Case Assigned To Satisfaction	Case Assigned To Happiness	Case Assigned To Well-being	Case Assigned To Health	Case Assigned To Wealth	Case Assigned To Prosperity	Case Assigned To Abundance	Case Assigned To Prosperity	Case Assigned To Wealth	Case Assigned To Power	Case Assigned To Influence	Case Assigned To Contribution	Case Assigned To Impact	Case Assigned To Value	Case Assigned To Quantity	Case Assigned To Quality	Case Assigned To Effectiveness	Case Assigned To Efficiency	Case Assigned To Productivity	Case Assigned To Performance	Case Assigned To Capacity	Case Assigned To Potential	Case Assigned To Talent	Case Assigned To Ability	Case Assigned To Knowledge	Case Assigned To Skill	Case Assigned To Competency	Case Assigned To Qualification	Case Assigned To Certification	Case Assigned To Accreditation	Case Assigned To Registration	Case Assigned To Permit	Case Assigned To License	Case Assigned To Certificate	Case Assigned To Degree	Case Assigned To Program	Case Assigned To Course	Case Assigned To Class	Case Assigned To Level	Case Assigned To Grade	Case Assigned To Rank	Case Assigned To Position	Case Assigned To Title	Case Assigned To Role	Case Assigned To Group	Case Assigned To Team	Case Assigned To Unit	Case Assigned To Office	Case Assigned To Department	Case Assigned To Division	Case Assigned To Region	Case Assigned To Country	Case Assigned To Zip	Case Assigned To State	Case Assigned To City	Case Assigned To Address	Case Assigned To Phone	Case Assigned To Email	Case Assigned To Assigned By	Case Assigned To Assigned On	Case Assigned To Assigned By Email	Case Assigned To Assigned By Phone	Case Assigned To Assigned By Address	Case Assigned To Assigned By City	Case Assigned To Assigned By State	Case Assigned To Assigned By Zip	Case Assigned To Assigned By Country	Case Assigned To Assigned By Region	Case Assigned To Assigned By Division	Case Assigned To Assigned By Department	Case Assigned To Assigned By Office	Case Assigned To Assigned By Unit	Case Assigned To Assigned By Team	Case Assigned To Assigned By Group	Case Assigned To Assigned By Role	Case Assigned To Assigned By Title	Case Assigned To Assigned By Position	Case Assigned To Assigned By Rank	Case Assigned To Assigned By Grade	Case Assigned To Assigned By Level	Case Assigned To Assigned By Class	Case Assigned To Assigned By Course	Case Assigned To Assigned By Program	Case Assigned To Assigned By Degree	Case Assigned To Assigned By Certificate	Case Assigned To Assigned By License	Case Assigned To Assigned By Permit	Case Assigned To Assigned By Registration	Case Assigned To Assigned By Accreditation	Case Assigned To Assigned By Certification	Case Assigned To Assigned By Qualification	Case Assigned To Assigned By Competency	Case Assigned To Assigned By Skill	Case Assigned To Assigned By Knowledge	Case Assigned To Assigned By Ability	Case Assigned To Assigned By Talent	Case Assigned To Assigned By Potential	Case Assigned To Assigned By Capacity	Case Assigned To Assigned By Performance	Case Assigned To Assigned By Productivity	Case Assigned To Assigned By Efficiency	Case Assigned To Assigned By Effectiveness	Case Assigned To Assigned By Quality	Case Assigned To Assigned By Quantity	Case Assigned To Assigned By Value	Case Assigned To Assigned By Impact	Case Assigned To Assigned By Contribution	Case Assigned To Assigned By Influence	Case Assigned To Assigned By Power	Case Assigned To Assigned By Authority	Case Assigned To Assigned By Responsibility	Case Assigned To Assigned By Accountability	Case Assigned To Assigned By Ownership	Case Assigned To Assigned By Control	Case Assigned To Assigned By Management	Case Assigned To Assigned By Leadership	Case Assigned To Assigned By Supervision	Case Assigned To Assigned By Direction	Case Assigned To Assigned By Guidance	Case Assigned To Assigned By Instruction	Case Assigned To Assigned By Training	Case Assigned To Assigned By Development	Case Assigned To Assigned By Growth	Case Assigned To Assigned By Progress	Case Assigned To Assigned By Achievement	Case Assigned To Assigned By Success	Case Assigned To Assigned By Fulfillment	Case Assigned To Assigned By Satisfaction	Case Assigned To Assigned By Happiness	Case Assigned To Assigned By Well-being	Case Assigned To Assigned By Health	Case Assigned To Assigned By Wealth	Case Assigned To Assigned By Prosperity	Case Assigned To Assigned By Abundance	Case Assigned To Assigned By Prosperity	Case Assigned To Assigned By Wealth	Case Assigned To Assigned By Power	Case Assigned To Assigned By Influence	Case Assigned To Assigned By Contribution	Case Assigned To Assigned By Impact	Case Assigned To Assigned By Value	Case Assigned To Assigned By Quantity	Case Assigned To Assigned By Quality	Case Assigned To Assigned By Effectiveness	Case Assigned To Assigned By Efficiency	Case Assigned To Assigned By Productivity	Case Assigned To Assigned By Performance	Case Assigned To Assigned By Capacity	Case Assigned To Assigned By Potential	Case Assigned To Assigned By Talent	Case Assigned To Assigned By Ability	Case Assigned To Assigned By Knowledge	Case Assigned To Assigned By Skill	Case Assigned To Assigned By Competency	Case Assigned To Assigned By Qualification	Case Assigned To Assigned By Certification	Case Assigned To Assigned By Accreditation	Case Assigned To Assigned By Registration	Case Assigned To Assigned By Permit	Case Assigned To Assigned By License	Case Assigned To Assigned By Certificate	Case Assigned To Assigned By Degree	Case Assigned To Assigned By Program	Case Assigned To Assigned By Course	Case Assigned To Assigned By Class	Case Assigned To Assigned By Level	Case Assigned To Assigned By Grade	Case Assigned To Assigned By Rank	Case Assigned To Assigned By Position	Case Assigned To Assigned By Title	Case Assigned To Assigned By Role	Case Assigned To Assigned By Group	Case Assigned To Assigned By Team	Case Assigned To Assigned By Unit	Case Assigned To Assigned By Office	Case Assigned To Assigned By Department	Case Assigned To Assigned By Division	Case Assigned To Assigned By Region	Case Assigned To Assigned By Country	Case Assigned To Assigned By Zip	Case Assigned To Assigned By State	Case Assigned To Assigned By City	Case Assigned To Assigned By Address	Case Assigned To Assigned By Phone	Case Assigned To Assigned By Email	Case Assigned To Assigned By Assigned By	Case Assigned To Assigned By Assigned On	Case Assigned To Assigned By Assigned By Email	Case Assigned To Assigned By Assigned By Phone	Case Assigned To Assigned By Assigned By Address	Case Assigned To Assigned By Assigned By City	Case Assigned To Assigned By Assigned By State	Case Assigned To Assigned By Assigned By Zip	Case Assigned To Assigned By Assigned By Country	Case Assigned To Assigned By Assigned By Region	Case Assigned To Assigned By Assigned By Division	Case Assigned To Assigned By Assigned By Department	Case Assigned To Assigned By Assigned By Office	Case Assigned To Assigned By Assigned By Unit	Case Assigned To Assigned By Assigned By Team	Case Assigned To Assigned By Assigned By Group	Case Assigned To Assigned By Assigned By Role	Case Assigned To Assigned By Assigned By Title	Case Assigned To Assigned By Assigned By Position	Case Assigned To Assigned By Assigned By Rank	Case Assigned To Assigned By Assigned By Grade	Case Assigned To Assigned By Assigned By Level	Case Assigned To Assigned By Assigned By Class	Case Assigned To Assigned By Assigned By Course	Case Assigned To Assigned By Assigned By Program	Case Assigned To Assigned By Assigned By Degree	Case Assigned To Assigned By Assigned By Certificate	Case Assigned To Assigned By Assigned By License	Case Assigned To Assigned By Assigned By Permit	Case Assigned To Assigned By Assigned By Registration	Case Assigned To Assigned By Assigned By Accreditation	Case Assigned To Assigned By Assigned By Certification	Case Assigned To Assigned By Assigned By Qualification	Case Assigned To Assigned By Assigned By Competency	Case Assigned To Assigned By Assigned By Skill	Case Assigned To Assigned By Assigned By Knowledge	Case Assigned To Assigned By Assigned By Ability	Case Assigned To Assigned By Assigned By Talent	Case Assigned To Assigned By Assigned By Potential	Case Assigned To Assigned By Assigned By Capacity	Case Assigned To Assigned By Assigned By Performance	Case Assigned To Assigned By Assigned By Productivity	Case Assigned To Assigned By Assigned By Efficiency	Case Assigned To Assigned By Assigned By Effectiveness	Case Assigned To Assigned By Assigned By Quality	Case Assigned To Assigned By Assigned By Quantity	Case Assigned To Assigned By Assigned By Value	Case Assigned To Assigned By Assigned By Impact	Case Assigned To Assigned By Assigned By Contribution	Case Assigned To Assigned By Assigned By Influence	Case Assigned To Assigned By Assigned By Power	Case Assigned To Assigned By Assigned By Authority	Case Assigned To Assigned By Assigned By Responsibility	Case Assigned To Assigned By Assigned By Accountability	Case Assigned To Assigned By Assigned By Ownership	Case Assigned To Assigned By Assigned By Control	Case Assigned To Assigned By Assigned By Management	Case Assigned To Assigned By Assigned By Leadership	Case Assigned To Assigned By Assigned By Supervision	Case Assigned To Assigned By Assigned By Direction	Case Assigned To Assigned By Assigned By Guidance	Case Assigned To Assigned By Assigned By Instruction	Case Assigned To Assigned By Assigned By Training	Case Assigned To Assigned By Assigned By Development	Case Assigned To Assigned By Assigned By Growth	Case Assigned To Assigned By Assigned By Progress	Case Assigned To Assigned By Assigned By Achievement	Case Assigned To Assigned By Assigned By Success	Case Assigned To Assigned By Assigned By Fulfillment	Case Assigned To Assigned By Assigned By Satisfaction	Case Assigned To Assigned By Assigned By Happiness	Case Assigned To Assigned By Assigned By Well-being	Case Assigned To Assigned By Assigned By Health	Case Assigned To Assigned By Assigned By Wealth	Case Assigned To Assigned By Assigned By Prosperity	Case Assigned To Assigned By Assigned By Abundance	Case Assigned To Assigned By Assigned By Prosperity	Case Assigned To Assigned By Assigned By Wealth	Case Assigned To Assigned By Assigned By Power	Case Assigned To Assigned By Assigned By Influence	Case Assigned To Assigned By Assigned By Contribution	Case Assigned To Assigned By Assigned By Impact	Case Assigned To Assigned By Assigned By Value
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It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked", or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If piers or bridges were put in to test for water, state kind of material used, position, and results of piling or building.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE

[illegible]

ATTACHMENT: LOG OF OIL OR GAS WELL
JICARILLA "F" #5

SUMMARY OF OPERATIONS

8-4-58 Location staked.
8-22-58 Commenced drilling operations (spud date).
8-22-58 Set 294' of 10-3/4" casing @ 306' cem. w/250 sacks neat. PD 12:30 p.m. WOC 2h hrs.
8-23-58 Tested 10-3/4" casing w/1000# 30 mins., O.K.
8-29-58 Recovered 100% lost circ. @ 3875'.
9-1-58 Installed 4229' of 7-5/8" csg. @ 4240 w/125 sacks cem. PD 1:00 a.m. WOC 2h hrs.
9-2-58 Tested 7-5/8" csg. w/800# 30 min., O.K.
9-4-58 Ran Schl. GR Ind. logs to 6279. Ran 2221' of 5" liner @ 6280', top liner @ 4059'. PD 12:15 p.m. Cement liner w/225 sacks. Top cement @ 4059'.
9-5-58 Tested top of 7-5/8" liner w/3000# 30 min., O.K. D/O cement 6208-48 PSTD. Tested 3000#, 30 min., O.K.
9-10-58 Western ran Neutron Lateral & collar logs to 6242.
9-11-58 Perf 5" liner 5707-11, 5720-37, 5993-99, 6081-86, 6123-28, 6158-67, 6173-77, 6192-99 w/114 jet shots fish perf gun - Dowell sand water frac w/114,000 gals wtr. + 85,500# 20-40 mesh sand + 80 rubber balls + 500 gals 15% HCl. Break down 1800#-1200#, Av. inj. 51 BPM.
9-13-58 Western perf. 7-5/8" csg. 3888-3915 w/54 jets.
9-14-58 Howe sand water frac w/54,000 gals water + 40,500# 20-40 mesh sand. Break down 1150#-900#. Treat 1000#-550#. Average injection 70 BPM.
9-16-58 Ran Mesaverde 2" tubing to 6193'. Ran Pictured Cliffs 2" tubing to 3891'. Sage Drilling Company rig released @ midnight.
9-17-58)
thru) Recovering lead water.
9-29-58)
9-29-58) Shut in for 7 day potential @ 12:00 midnight.
10-7-58 Mesaverde potential test after SI 178 hrs. - TP 1377#. Flow 3 hrs. thru 3/4" choke - TP 208 - IP 2462 MCF/day. Calculated open flow 2662 MCF/day. Pictured Cliffs potential test after SI 178 hrs - TP 1010# - CP 1003#. Flow 3 hrs. thru 3/4" choke - TP 92# - CP 222# - IP 1065 MCF/day. Calculated open flow 1110 MCF/day.

