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NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Form C-105
Revised 11-1-76

AUG 1 1977

5a. Indicate Type of Lease	
State ☒	Fee ☐
5. State Oil & Gas Lease No.	
647	

1a. TYPE OF WELL		OIL WELL ☐ GAS WELL ☐ DRY ☒		O.C.C. ARTESIA, OFFICE		7. Unit Agreement Name	
b. TYPE OF COMPLETION		NEW WELL ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐		P&A		8. Form or Lease Name	
2. Name of Operator		Atlantic Richfield Company				State BU	
3. Address of Operator		P. O. Box 1710, Hobbs, New Mexico 88240				9. Well No.	
4. Location of Well						10. Field and Pool, or Wildcat	
						Illinois Camp	
						Undesignated Morrow	
UNIT LETTER N LOCATED 660 FEET FROM THE South		LINE AND 1980				11. County	
THE West		LINE OF SEC. 32 TWP. 18S RGE. 28E				Eddy	
15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Casinghead			
6/2/77	7/12/77	P&A - 7-22-77	3541.9' GR				
20. Total Depth	21. Plug back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools		
10,917'			0-10,917'				
24. Producing Interval(s), of this completion - Top, bottom, Name					25. Was Directional Survey Made		
None					No		
26. Type Electric and Other Logs Run					27. Was Well Cored		
GR-MLL w/Caliper, GR-DLL, CNL logs					No		
28. CASING RECORD (Report all strings set in well)							
CASING SIZE	WEIGHT LB. FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED		
13-3/8" OD	54.50#	402'	17 1/8"	450 sx plus 8 yds Redi-mix	none		
9-5/8" OD	40#	2492'	12 1/4"	1125 sx	none		
29. LINER RECORD							
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	30. TUBING RECORD		
					SIZE	DEPTH SET	PACKER SET
31. Perforation Record (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
				DEPTH INTERVAL			
				AMOUNT AND KIND MATERIAL USED			
33. PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas-Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
34. Disposition of Gas (Sold, used for fuel, vented, etc.)						Test Witnessed By	
35. List of Attachments							
Logs as listed in Item 26 above, DST & Inclination Report							
36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.							
SIGNED		TITLE			DATE		
		Dist. Drlg. Supt.			7/29/77		

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 30 days after the completion of any newly-drilled or deepened well. It shall be accompanied by a copy of all electrical and radio-activity logs from the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 36 through 44 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinberry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from <u>None</u> <u>Productive</u> to _____	No. 4, from _____ to _____
No. 2, from _____ to _____	No. 5, from _____ to _____
No. 3, from _____ to _____	No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____ feet	_____
No. 2, from _____ to _____ feet	_____
No. 3, from _____ to _____ feet	_____
No. 4, from _____ to _____ feet	_____

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	245	245	Surface rock	6028	6167	139	Lime & Shale
245	402	157	Red Bed	6167	6378	211	Lime
402	790	388	Lime, Gyp, Anhyd	6378	7448	1070	Lime & Shale
790	1021	231	Anhyd & Gyp	7448	7932	484	Lime, Shale & Chert
1021	1217	196	Anhyd & Lime	7932	8039	107	Lime & Shale
1217	1447	230	Lime, Anhyd & Salt	8039	8410	371	Lime, Shale, Chert
1447	1647	200	Lime, Anhyd & Gyp	8410	8521	111	Lime & Shale
1647	1815	168	Anhyd & Lime	8521	8646	125	Lime, Shale & Chert
1815	2034	219	Lime	8646	8688	42	Lime & Shale
2034	2130	96	Lime & Anhyd	8688	8827	139	Lime, Shale & Chert
2130	2492	362	Lime & Dolo	8827	9136	309	Lime & Shale
2492	3340	848	Lime	9136	9985	849	Lime, Shale & Chert
3340	3424	84	Lime & Shale	9985	10077	92	Lime
3424	5001	1577	Lime	10077	10278	201	Lime, Shale & Chert
5001	5170	169	Lime & Sand	10278	10360	82	Lime
5170	5580	410	Lime	10360	10639	279	Lime & Shale
5580	5777	197	Lime & Shale	10639	10668	29	Shale
5777	6028	251	Lime	10668	10713	45	Shale & Sand
				10713	10762	49	Shale & Lime
				10762	10886	124	Shale

Run DST #1 8144-8340' San Andres. TO @ 7:42 AM 6/24/77. Preflow, weak blow down to 0#. Closed tool @ 8:10 AM for 3 hr FFP, no blow. Test closed @ 11:56 AM for 2 hr FSIP. IHP 1541, 15 min preflow 98#, incr to 110#. 1 hr ISIP 1028, 3 hr FFP 110, incr to 123#. 2 hr FSIP 913, FHP 1541. Rec 93' drlg fluid, very sm tr oil. Sampler, 2370 cc DF, 20# PSIG, BHT 98°. Drld hole to 8410' on 6/24/77. Ran DST #2 8230-8410' Wolfcamp. TO @ 8:45 AM 6/25/77 for 15 min IFP, good blow. Tool closed @ 10:15 AM for 3½ hr FSIP, no gas or fluid to surf during test. POH w/test tools. Rec 1277' gas cut mud & wtr. IHP 3689, IFP 318, ISIP 3189, FFP 353, FSIP 3189, FHP 3725. Sampler .0152 MCF & 2100 cc gas cut mud. WIH w/bit & drld to 8669' on 6/26/77. DST #3 8620-8669' Wolfcamp. TO @ 3:30 AM 6/27/77. 15 min IFP, fair blow, GTS 10 mins. Tool closed @ 8:45 AM, 1½ hr ISIP. TO @ 10:15 AM, 2hr FFP. Starting flow rate @ 10:20 AM, 136 MCFPD, incr to 485 MCFPD w/final flow rate of 299 MCFPD @ 12:15 PM 6/27/77. Closed tool @ 12:15 PM 6/27/77 for 3 hr ISIP, no fluid to surf. RO 22 BW w/tr oil. IHP 3883, IFP 108 incr to 129, 1½ hr ISIP 3898, FFP 108 incr to 173, FSIP 3385, FHP 3962. Sampler 2300#, 101 CFG, 250 cc cond. DST #4 8860-8951' Cisco. TO @ 10:30 AM 6/29/77, strong blow @ end of 15 min IFP, had 2-3/4# on 3/8" ck, no GTS. Tool closed @ 10:45 AM, 1 hr ISIP. TO @ 11:45 AM for 1 hr FFP. MP 1½# @ 11:50 AM, decr to 0# @ 12:15 PM. Closed tool @ 12:45 PM 6/29/77, 2 hr FSIP. Rel pkr @ 2:45 PM, POH w/test tools. Rec 7500' sulphur wtr w/no tr oil, small amt gas. IH 4113, IFP 442, 15 mins 2263, 1 hr ISIP 3422, 1 hr FFP 2477 incr to 3404, 2 hr FSIP 3404, FH 4032. Sampler 275#, .037 cfg, 2300 cc sulphur wtr. DST #5 10,510-10,615' Morrow. TO @ 8:40 AM 7/3/77 w/fair blow. Closed tool for 1 hr SI @ 8:45 AM. (cont'd on attached Page #2) TO @ 9:45 AM w/fair blow for 2 hr FP. No GTS. Closed tool @ 11:45 AM for 2 hr final SI. IHP 5054, IF 218, ISI 414, FF 218-240, SI 305, FHP 5054, Rec 290' DF. Sampler 175 psi, tr gas, 1400 cc DF, BHT 166°F. Fin drlg 8-3/4" hole to 10,917' TD @ 3:15 PM 7/12/77. Ran GR-MLL w/Caliper, GR-DLL, CNL logs. DST #6 10,630-10,917' Morrow. TO @ 4:30 AM 7/15/77 for 15 min IF. Op w/weak blow, incr to strong blow, no GTS. Closed tool @ 4:45 AM for 1 hr ISI. TO @ 5:45 AM. TO w/strong blow, decr to 0 in 45 mins, no GTS. Closed @ 7:15 AM for 2 hr FSI. Rec 374' slightly gas cut mud. Sampler 500 psi, 500 cc mud, .75 ft³ gas. Temp 158°. IH 5432, IF 280, ISI 539, FF 345, FSI 604, FH 5432. DST #7 9709-9742' Strawn. TO @ 8:30 AM 7/16/77 for 15 min preflow. Op w/weak blow. Closed tool @ 8:45 AM for 1 hr ISI. TO @ 9:45 AM for 2 hr FF. Op w/weak blow, no GTS. Closed tool @ 11:45 AM for 4 hr FSI. Rec 25' slightly gas cut mud & 10' fm wtr. Sampler, 0#, 1800 cc slightly gas cut mud. IH 4879, IF 43, ISI 129, FF 43, FSI 905, FH 4879. On 7/17/77 WIH w/DP OE to 10,500', spotted 150 sx Cl H cmt cont'd 1/10 of 1% CFR-2 w/3# salt/sk 10,230-10,500'. POH w/DP. WOC 18 hrs. WIH w/bit, tagged 10,310/76'. Dressed plug to 10,226'. POH w/bit. DST #8 10,170-10,226' Atoka. TO @ 12:15 PM 7/18/77 w/weak blow, incr to strong blow. Closed tool @ 12:30 PM for 1 hr SI. TO @ 1:30 PM for 2 hr flow. TO w/strong blow, decr to weak blow in ½ hr, no GTS. Closed tool @ 3:30 PM for 4 hr SI. Rec 60' DF. IHP 5070, IF 36, ISI 537, FF 108, FSI 1334, FHP 5049. Sampler, 75 psi, 0 gas, 2300 cc DF, temp 148°. POH w/test tools. DST #9 6715-6880' Bone Springs. TO @ 1:45 PM 7/19/77, weak blow, no GTS. Closed tool @ 5:00 PM for 4 hr FSIP. Rec 460' DF. Sampler 0#, 2000 cc mud, no gas. IH 3385, IFP 108, ISIP 2424, FFP 302. FSIP 2424, FH 3385. WIH w/DP OE, spotted 55 sx Cl H Neat 8750-8900', 8100-8250', 5150-5300', 3650-3800', 2425-2575' w/full circ. Rem BOP. MORT. Cut off csg hd. Spotted 10 sx Cl C cmt @ surf in top of 9-5/8" csg & cellar. Filled hole w/heavy mud between all cmt plugs. Inst regulation dry hole marker. Cleaned & levelled location. Well P&A effective 7/22/77.