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OIL AND GAS CONSERVATION COMMISSION  
OF THE STATE OF COLORADO

RECEIVED

FEB -4 1971

File in triplicate for Patented and Federal lands.  
File in quadruplicate for State lands.

COLO. OIL &amp; GAS CONS. COMM.

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL:		OIL WELL <input checked="" type="checkbox"/>		GAS WELL <input type="checkbox"/>		DRY <input type="checkbox"/>		Other <input type="checkbox"/>							
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>		WORK OVER <input type="checkbox"/>		DEEP-EN <input type="checkbox"/>		PLUG BACK <input type="checkbox"/>		DIFF. RESVR. <input type="checkbox"/>		Other <input type="checkbox"/>			
2. NAME OF OPERATOR Patrick A. Doheny															
3. ADDRESS OF OPERATOR 136 El Camino, Beverly Hills, California 90212															
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 2265' from north line & 1918' from west line At top prod. interval reported below Approximately the same. At total depth Approximately the same.															
14. PERMIT NO. 70-676				DATE ISSUED 12-1-70											
15. DATE SPUDDED 12-15-70		16. DATE T.D. REACHED 12-21-70		17. DATE COMPL. (Ready to prod.) 1-19-71		18. ELEVATIONS (DF, REB, RT, GR, ETC.) Gr. 4613' KB 4619'				19. ELEV. CASINGHEAD					
20. TOTAL DEPTH, MD & TVD 4953'		21. PLUG, BACK T.D., MD & TVD 4875'		22. IF MULTIPLE COMPL., HOW MANY		23. INTERVALS DRILLED BY →		ROTARY TOOLS All		CABLE TOOLS None					
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) 4803'-4817' "J" Sand										25. WAS DIRECTIONAL SURVEY MADE No					
26. TYPE ELECTRIC AND OTHER LOGS RUN Electrical and Micro logs										27. WAS WELL CORED No					
28. CASING RECORD (Report all strings set in well)															
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD				AMOUNT PULLED			
8-5/8"		24#		133'		12 1/2"		80 sacks				✓			
5 1/2"		14#		4938'		7-7/8"		125 sacks				✓			
29. LINER RECORD															
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT		SCREEN (MD)		30. TUBING RECORD					
										SIZE 2 1/2"		DEPTH SET (MD) 4850'		PACKER SET (MD)	
31. PERFORATION RECORD (Interval, size and number) 4805'-4811' 4 - 50 gram jets/foot Total of 26 holes															
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.															
DEPTH INTERVAL (MD)						AMOUNT AND KIND OF MATERIAL USED									
4805'-4811'						500 gals 7 1/2% HCL followed with 15000# of sand in 10,000 gals treated water. Av. inj. rate 25 bbls/min									
33. PRODUCTION															
DATE FIRST PRODUCTION 1-20-71		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping								WELL STATUS (Producing or shut-in) Producing					
DATE OF TEST 2-1-71		HOURS TESTED 24		CHOKE SIZE		PROD'N. FOR TEST PERIOD →		OIL—BBL. 132		GAS—MCF. 95		WATER—BBL. 8		GAS-OIL RATIO 720	
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.) Fuel and vented										TEST WITNESSED BY					
35. LIST OF ATTACHMENTS Electrical and Micro logs															
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records															
SIGNED G. W. Reed		TITLE Agent						DATE 2-2-71							

See Spaces for Additional Data on Reverse Side

oil



## 37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES.

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
<u>"D" Sand</u>	4706	4712	Sand, fine grained, white, friable, slightly clay filled, poor p&p, water wet.
	4712	4720	Sand, white, fine grained, low p&p, some clay fill, 2 pieces with light stain and fluorescence, balance looks wet.
	4722	4730	Sand, clean, white, good p&p, friable, light stain and fluorescence, fair cut.
	4730	4750	Sand, very fine grained, shaly, low p&p, light, firm, no shows, wet.
	4750	4760	Sand, friable, good p&p, medium grained, clean, good even oil stain, fluorescence and cut.
	4760	4778	Sand, very fine grained, silty, some clay fill, slightly shaly, water wet, no shows.
<u>"J" Sand</u>	4796	4802	Sand, gray, hard, low p&p, some black shale inclusions, no shows.
	4806	4816	Sand, fine to medium grained, slightly glauconitic, fair to good porosity, even light oil stain, good fluorescence and cut.
	4828	4850	Sand, white, fine grained, very small percentage of sand to shale in samples, some clay fill, no shows.
	4850	4900	Sand, fine grained, white, friable, good porosity and permeability, very poor sample returns, primarily shale.
	4900	4953	Sand, white, medium grained, many shale partings, fair to good porosity, water wet, no shows.
<u>DST #1</u> -- "D" sand interval 4752'-4760', shut in 30 minutes, open 60 minutes, shut in 30 minutes, gas to surface in 4 minutes, gauged 653,000 CFDP in 10 minutes, slow decrease until end of test and gauged 374,000 CFDP. Recovered 165' oil, 20' OCM, 330' water. FP 297-297#, SIP 878-851#, HP 2569-2556#.			
<u>DST #3</u> -- "J" sand interval 4805'-4816', shut in 30 minutes, open 135 minutes, shut in 15 minutes, gas to surface in 22 minutes, burned with 4' flare, too small to measure. Recovered 990' fluid: 760' gas cut oil, 120' oil cut mud, 55' water cut mud, 55' mud cut water. FP 41-338#, SIP 541-527#, HP 1920-1880#.			

## 38.

## GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
<u>Formation</u>	<u>Log Depth</u>	<u>Datum</u>
Niobrara	3808	+ 811
Fort Hays	4243	+ 376
Carlile	4298	+ 321
Greenhorn	4393	+ 226
Bentonite	4615	+ 4
"D" Sand	4706	- 87
"J" Sand	4796	- 177
J <sup>2</sup> Sand	4804	- 185
J <sup>3</sup> Sand	4828	- 209