

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other In-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL ☐	GAS WELL ☒	DRY ☐	Other ☐		
b. TYPE OF COMPLETION:		NEW WELL ☒	WORK OVER ☐	DEEP-EN ☐	PLUG BACK ☐	DIFF. RESVR. ☐	Other ☐
2. NAME OF OPERATOR SUPRON ENERGY CORPORATION							
3. ADDRESS OF OPERATOR P.O. Box 808, Farmington, New Mexico 87401							
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 840 ft./S ; 1720 ft./E line At top prod. interval reported below Same as above At total depth Same as above							
14. PERMIT NO.				DATE ISSUED			
15. DATE SPUDDED 4-29-81							
16. DATE T.D. REACHED 5-7-81							
17. DATE COMPL. (Ready to prod.) 8-15-81							
18. ELEVATIONS (DF, R&B, RT, GR, ETC.)* 5892 R.K.B.							
19. ELEV. CASINGHEAD 5881							
20. TOTAL DEPTH, MD & TVD 6200 MD & TVD		21. PLUG, BACK T.D., MD & TVD 6149 MD & TVD		22. IF MULTIPLE COMPL., HOW MANY* ---		23. INTERVALS DRILLED BY ---	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5951 - 6080 Dakota (MD & TVD)						25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN Induction Electric and Compensated Density						27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
8-5/8"		24.00		281		12-1/4"	
4-1/2"		10.50		6193		7-7/8"	
29. LINER RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
30. TUBING RECORD							
SIZE		DEPTH SET (MD)		PACKER SET (MD)			
2-3/8" EUE		6069					
31. PERFORATION RECORD (Interval, size and number) 1 - 0.42" hole at each of the following depths: 5951, 52, 53, 6003, 04, 05, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 66, 68, 70, 72, 74, 76, 78, 80. (Total of 26 holes)							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
5951 - 6080				1500 gal. 15% HCL, 130,000 lb. 20-40 sand, & 96,000 gal. 30 lb. cross-linked gel. All fluid contained 2% KCL.			
33. PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing				WELL STATUS (Producing or shut-in) Shut-in	
DATE OF TEST 8-15-81		HOURS TESTED 3		CHOKE SIZE 3/4"		PROD'N. FOR TEST PERIOD	
FLOW. TUBING PRESS. 154		CASING PRESSURE 693		CALCULATED 24-HOUR RATE		OIL—BBL. 1942	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented						TEST WITNESSED BY John Rector	
35. LIST OF ATTACHMENTS							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							

SIGNED

Kenneth E. Roddy

TITLE Production Superintendent

DATE 2 August 1981

*(See Instructions and Spaces for Additional Data on Reverse Side)

FARMINGTON DISTRICT

BY

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NMOCC

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

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			38. GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Ojo Alamo	490	
				Kirtland	520	
				Fruitland	1300	
				Pictured Cliffs	1379	
				Chacra	2255	
				Cliff House	2945	
				Point Lookout	3890	
				Gallup	5280	
				Greenhorn (Base)	5896	
				Dakota	5946	

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 8-15-81			
Company SUPRON ENERGY CORPORATION				Connection El Paso Natural Gas Company					
Pool Basin				Formation Dakota				Unit	
Completion Date 8-4-81		Total Depth 6200		Plug Back TD 6149		Elevation 5892		Farm or Lease Name Richardson	
Csq. Size 4.500	Wt. 10.50	d 4.052	Set At 6193	Perforations: From 5951 To 6080		Well No. 1-E			
Thq. Size 2.375	Wt. 4.70	d 1.995	Set At 6069	Perforations: No Perforations From To		Unit Sec. Twp. Rge. 0 2 27N 13W			
Type Well - Single - Brodenhead - G.G. or G.O. Multiple Single						Packer Set At ---		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L 6059	H	Gg 0.700	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI	2"	3/4"					1015		1019		7 days
1.							154	58°	693		3 hours
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		166	1.0019	0.9258	1.020	1942
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure P.S.I.A.	Critical Temperature °R
1.										
2.										
3.										
4.										
5.										

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		705	497,025	565,936
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.8782$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3116$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.6043$

Absolute Open Flow	3116	Mcfd @ 15.025	Angle of Slope °	Slope, n 0.75
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Remarks:

Approved By Division	Conducted By: John Rector	Calculated By: Kenneth E. Roddy	Checked By:
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