

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 ☒ Gas Storage				7. UNIT AGREEMENT NAME			
b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☒ Old Well				8. FARM OR LEASE NAME			
2. NAME OF OPERATOR				9. WELL NO.			
3. ADDRESS OF OPERATOR				10. FIELD AND POOL, OR WILDCAT			
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*				11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA			
At surface 990 FT. FROM THE SOUTH LINE & 990 FT. FROM THE WEST LINE				12. COUNTY OR PARISH			
At top prod. interval reported below SAME AS ABOVE.				13. STATE			
At total depth SAME AS ABOVE.				14. PERMIT NO.			
15. DATE SPUNDED				16. DATE T.D. REACHED			
17. DATE COMPL. (Ready to prod.)				18. ELEVATIONS (DF, REB, RT, GR, ETC.)*			
19. ELEV. CASINGHEAD				20. TOTAL DEPTH, MD & TVD			
21. PLUG, BACK T.D., 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)*			
25. WAS DIRECTIONAL SURVEY MADE				26. TYPE ELECTRIC AND OTHER LOGS RUN			
27. WAS WELL CORED				28. CASING RECORD (Report all strings set in well)			
29. LINER RECORD				30. TUBING RECORD			
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZING			
33. PRODUCTION				34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)			
35. LIST OF ATTACHMENTS				36. TEST WITNESSED BY			

U. S. GEOLOGICAL SURVEY
e records DURANGO, COLO.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. DURANGO, COLO.

Original signed by

SIGNED GILBERT D. NOLAND, JR.

TITLE 1944-1945 - RUMELT INTERVIEW

DATE Mar 1 1972

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

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	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
De Chelly	3170	3195 ft.	BST #1 - Packer failed. Blowing	Entrada	190		
De Chelly	3167	3430 ft.	BST #2 - Opened tool for 3 min. Pressure	Chimle	300		
			pressure 4000; Initial 30 min. Shut-in pressure, 1606 psi.	Aqua Zarca	2273		
			Opened tool for 30 minutes w/1000 rpm cuttings. Initial	Yesso	2426		
			flow pressure 616 psi. Final flow pressure, 1102 psi. Closed tool	De Chelly	3169		
			for 60 min. Shut-in pressure, 1609 psi. Opened tool for 30 min.				
			w/1000 rpm cuttings. Flowing pressure, 1105 psi. Final				
			shut-in pressure in 90 minutes 1672 psi. Initial temperature				
			1140 1945 psi. Final temperature 1140 psi. Recovered				
			496 ft. of Drilling tool and 1925 ft. of mud cuttings.				
			2399 ft. BST #3 - Opened tool for 3 min. Pressure				
			pressure, 337 psi. Initial 30 min. shut-in pressure, 1608 psi.				
			Opened tool for 30 min. Shut-in pressure, 1622 psi.				
			Initial flow pressure, 644 psi. Final flow pressure 1122 psi.				
			Closed tool for 60 min. Shut-in pressure 1139 psi. Opened tool				
			for 30 min. w/1000 rpm, shut in 20 minutes. Final flow pressure				
			1142 psi. Final temperature pressure 1144 psi in 90 minutes.				
			I.H.L. 1227 psi F.H.L. 1212 psi. Recovered 256 ft. Drilling				
			rod and 1612 ft. of wireline.				

PRODUCTION PROFITS

DIVISION OF SONICS INTERNATIONAL, INC.

Petroleum Service Laboratory

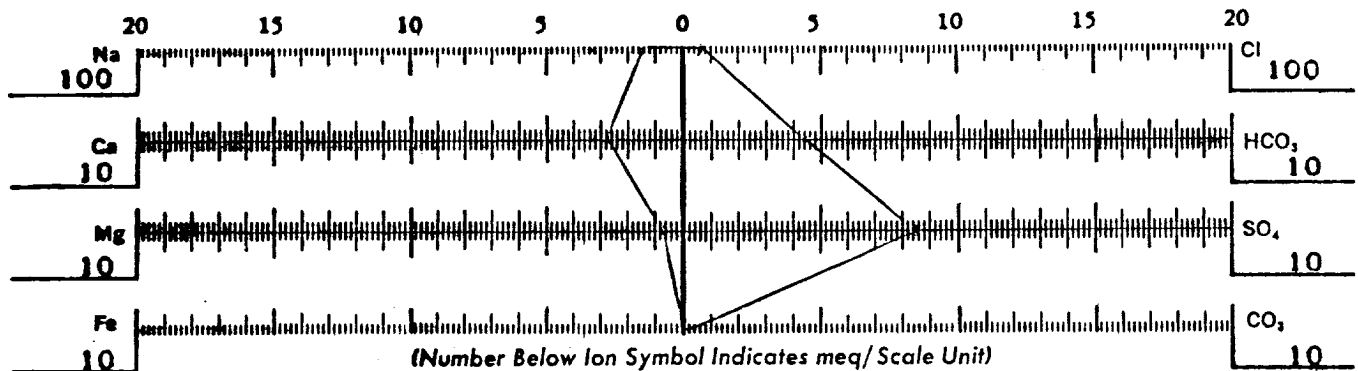
DALLAS, TEXAS

Client Southern Union Production Company
 County Sandoval State New Mexico
 Field Wildcat Lease San Ysidro Well No. 1
 Formation Alamo ZARCO Depth 2283-2399 Perf. _____
 Source of Sample D. S. T
 Date Collected 11-6-71 by _____

REPORT OF WATER ANALYSIS

Lab. Number P-3367 Specific Gravity 1.0111 pH 7.4
 Total Dissolved Solids 13358 Resistivity (Ohmmeters at 68° F.) .700 Hydrogen Sulfide ABSENT

DISSOLVED MINERAL ANALYSIS PATTERN



DISSOLVED SOLIDS ANALYSIS

	mg/l	meq/l
Total Solids (Calc.)	13358	
Sodium (Calc.)	3620	157.5
Iron (Dissolved)	9	.3
Barium	-	-
Calcium	569	28.4
Magnesium	90	7.4
Chloride	2270	64.0
Bicarbonate	2690	44.1
Carbonate	0	0.
Sulfate	4110	85.5

PRECIPITATED AND SUSPENDED SOLIDS ANALYSIS

	mg/l
Total Undissolved Solids	
Oil (Solvent Soluble)	
Acid Solubles	
Iron	as
Calcium	as
Magnesium	as
Sulfate	as
Organic (Ignition Loss)	
Acid Insolubles	
Sand & Clay	
Barium Sulfate	
(Quan.)	
(Qual.)	

TOTAL IRON

SOLUBILITY CALCULATIONS

Calcium Carbonate Stability Index at 77° F	<u>1.46</u>	Scaling Tendency	<u>POS.</u>
Calcium Sulfate Stability at 95° F			
Concentration <u>28.4</u> meq/l.	Calc. Solubility <u>29.05</u> meq/l.	Percent Saturation	<u>97.76</u>
Barium Sulfate Stability at 95° F			
Concentration _____ meq/l.	Calc. Solubility _____ meq/l.	Percent Saturation	_____

REMARKS

WATER ANALYSIS REPORT

☒ Test No. 1 - Livestock

☐ Test No. 2 - Domestic

Lab #600

NAME Southern Union Gas DATE 3/30/72
ADDRESS Bloomfield, CITY New Mexico 87413

Sample No. 1

pH 6.5

Total Soluble Salts:
EC x 10⁶ 700

Parts per Million 448 or .04 %

Total Dissolved Solids ppm* or tons per acre foot of water

Hardness ppm

*ppm - parts per million

The U. S. Public Health Department recommends the following for domestic use water:
Hardness - up to 500 parts per million
Total dissolved solids - 500 parts per million with up to 1000 parts per million usable.

NOTE:
Some well waters should be checked for pathological organisms and for physiological effect.

REMARKS:
Your water is classified as satisfactory for livestock use.
Your water is classified as for domestic use.

C. D. Leedy

C. D. Leedy
Extension Soils Specialist