

OIL CONSERVATION DIVISION
Deviation Tabulation Report

<u>SUPRON ENERGY CORPORATION</u>	<u>Richardson</u>	<u>5</u>	<u>10</u>	<u>27N</u>	<u>13W</u>
<u>Operator</u>	<u>Well Name</u>	<u>No.</u>	<u>Sec.</u>	<u>Twp.</u>	<u>Rge.</u>
<u>DEPTH</u>	<u>DEVIATION</u>		<u>DEPTH</u>	<u>DEVIATION</u>	
279'	1°		3948'	1°	
797'	1°		4389'	1°	
1361'	1°		4889'	3/4°	
1516'	3/4°		5356'	3/4°	
2327'	1-3/4°		5793'	1°	
3234'	1°		6400'	1°	

Kenneth E. Roddy
Production Superintendent

STATE OF NEW MEXICO *
**
** ss
COUNTY OF SAN JUAN *

On this 27th day of August, 19 81, before as personally
appeared Kenneth E. Roddy, to me known to be the person described in
and who executed the foregoing instrument and acknowledged that he executed the same
as his free act and deed.

IN WITNESS WHEREOF, I have set my hand and seal of office on this 27th day
of August, 19 81.

Beth J. Stuart
Notary Public in and for
San Juan County, New Mexico

My Commission Expires:

August 25, 1984



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input checked="" 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 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 1120 ft./N ; 790 ft./E line At top prod. interval reported below Same as above At total depth Same as above															
14. PERMIT NO. 87401 DATE ISSUED AUG 31 1981 U. S. GEOLOGICAL SURVEY FARMINGTON, N. M.															
5. LEASE DESIGNATION AND SERIAL NO. SF 077972		6. IF INDIAN, ALLOTTEE OR TRIBE NAME		7. UNIT AGREEMENT NAME		8. FARM OR LEASE NAME Richardson									
9. WELL NO. 5		10. FIELD AND POOL, OR WILDCAT Basin Dakota		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 10, T-27N, R-13W, NMPM		12. COUNTY OR PARISH San Juan		13. STATE New Mexico							
15. DATE SPUDDED 5-9-81		16. DATE T.D. REACHED 5-16-81		17. DATE COMPL. (Ready to prod.) 8-26-81		18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 6066 R.K.B.		19. ELEV. CASINGHEAD 6055							
20. TOTAL DEPTH, MD & TVD 6400 MD & TVD		21. PLUG, BACK T.D., MD & TVD 6356 MD & TVD		22. IF MULTIPLE COMPL., HOW MANY* ---		23. INTERVALS DRILLED BY -->		ROTARY TOOLS 0 - 6400		CABLE TOOLS --					
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 6126 - 6223 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		CEMENTING RECORD		AMOUNT PULLED					
8-5/8"		24.00		274		12-1/4"		250 sacks							
4-1/2"		10.50		6399		7-7/8"		1050 sacks (3 stages)							
29. LINER RECORD										30. TUBING RECORD					
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)		SIZE		DEPTH SET (MD)		PACKER SET (MD)	
										2-3/8"EUE		6217			
31. PERFORATION RECORD (Interval, size and number) 1 - 0.42" hole at each of the following depths: 6126, 27, 28, 29, 30, 63, 64, 65, 66, 83, 84, 85, 86, 87, 88, 90, 93, 94, 95, 96, 97, 98, 6217, 18, 19, 20, 21, 22, 23 (Total of 29 holes).										32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
										DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED			
										6126 - 6223		1500 gal. 15% HCL, 130,000 lb. 20-40 sd, & 90,000 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 8-26-81		HOURS TESTED 3		CHOKE SIZE 3/4"		PROD'N. FOR TEST PERIOD -->		OIL—BBL. 236		GAS—MCF. 1884		WATER—BBL.		GAS-OIL RATIO	
FLOW. TUBING PRESS. 154		CASING PRESSURE 692		CALCULATED 24-HOUR RATE -->		OIL—BBL.		GAS—MCF.		WATER—BBL.		OIL GRAVITY-API (CORR.)			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented										TEST WITNESSED BY Floyd Woodward					
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 August 27, 1981							

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

NMOCC

by Sma

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
				Ojo Alamo	663	
				Kirtland	705	
				Fruitland	1310	
				Pictured Cliffs	1490	
				Chacra	2395	
				Cliff House	3052	
				Point Lookout	4040	
				Gallup	5160	
				Greenhorn (Base)	6050	
				Dakota	6102	

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well ☐ gas ☒ well ☐ 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. See space 17 below.)
AT SURFACE: 1120 ft./N ; 790 ft./E line
AT TOP PROD. INTERVAL: Same as above
AT TOTAL DEPTH: Same as above

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

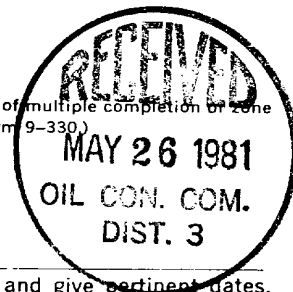
TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) Ran 4½" casing

SUBSEQUENT REPORT TO:

☐
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☐
☐
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RECEIVED
MAY 29 1981
U. S. GEOLOGICAL SURVEY
FARMINGTON, N.M.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)



5. LEASE
SF 077972

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Richardson

9. WELL NO.
5

10. FIELD OR WILDCAT NAME
Basin Dakota

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 10, T-27N, R-13W, N.M.P.M.

12. COUNTY OR PARISH San Juan 13. STATE New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6066 R.K.B.

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

1. Drilled 7-7/8" hole w/mud to total depth of 6400 ft. R.K.B. Total depth was reached on 5-16-81.
2. Ran 156 joints of 4½", 10.50#, K-55 casing & set @ 6399 ft. R.K.B. w/float collar at 6356 ft. R.K.B. Stage collars were set @ 4308 ft. & 1691 ft. RKB.
3. Cemented first stage w/350 sacks of 50-50 POZ mix w/2% gel & 10% salt. Plug down at 9:30 a.m. 5-17-81. Cemented second stage w/400 sacks of 50-50 POZ mix w/8% gel & 10 lb. Gilsonite per sack & 50 sacks of class "B" w/2% Calcium Chloride. Plug down at 1:15 p.m. 5-17-81. Cemented third stage w/150 sacks of 65-35-12 w/12½ lb. of Gilsonite per sack & 100 sacks of 50-50 POZ mix w/2% gel & 10% salt. Plug down at 3:00 p.m. 5-17-81.
4. Ran temperature survey and found cement top at 50 ft. R.K.B.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Kenneth E. Roddy TITLE Production Supt. DATE May 19, 1981
Kenneth E. Roddy

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

NMOCC

RECEIVED FOR RECORD

MAY 22 1981

*See Instructions on Reverse Side

BY Scot

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well gas ☒ well 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. See space 17 below.)
AT SURFACE: 1120 ft./N ; 790 ft./E line
AT TOP PROD. INTERVAL: Same as above
AT TOTAL DEPTH: Same as above

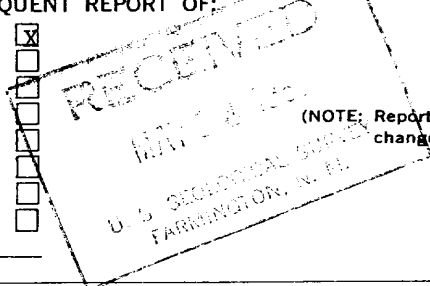
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐

SUBSEQUENT REPORT OF:

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(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

1. Spudded 12 $\frac{1}{4}$ " surface hole at 12:45 p.m. 5-9-81.
2. Drilled 12 $\frac{1}{4}$ " surface hole to total depth of 279 ft. R.K.B.
3. Ran 6 joints of 8-5/8", 24.00#, H-40 casing and set @ 274 ft. R.K.B.
4. Cemented with 250 sacks of class "B" with 3% calcium chloride. Plug down at 5:15 p.m. 5-9-81. Cement circulated to the surface.
5. Waited on cement for 12 hours.
6. Pressure-tested casing to 800 P.S.I. for 15 minutes. Held OK.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Kenneth E. Roddy TITLE Production Supt. DATE May 12, 1981
Kenneth E. Roddy

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD

NMOCC

*See Instructions on Reverse Side

MAY 15 1981

FARMINGTON DISTRICT
BY [Signature]

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

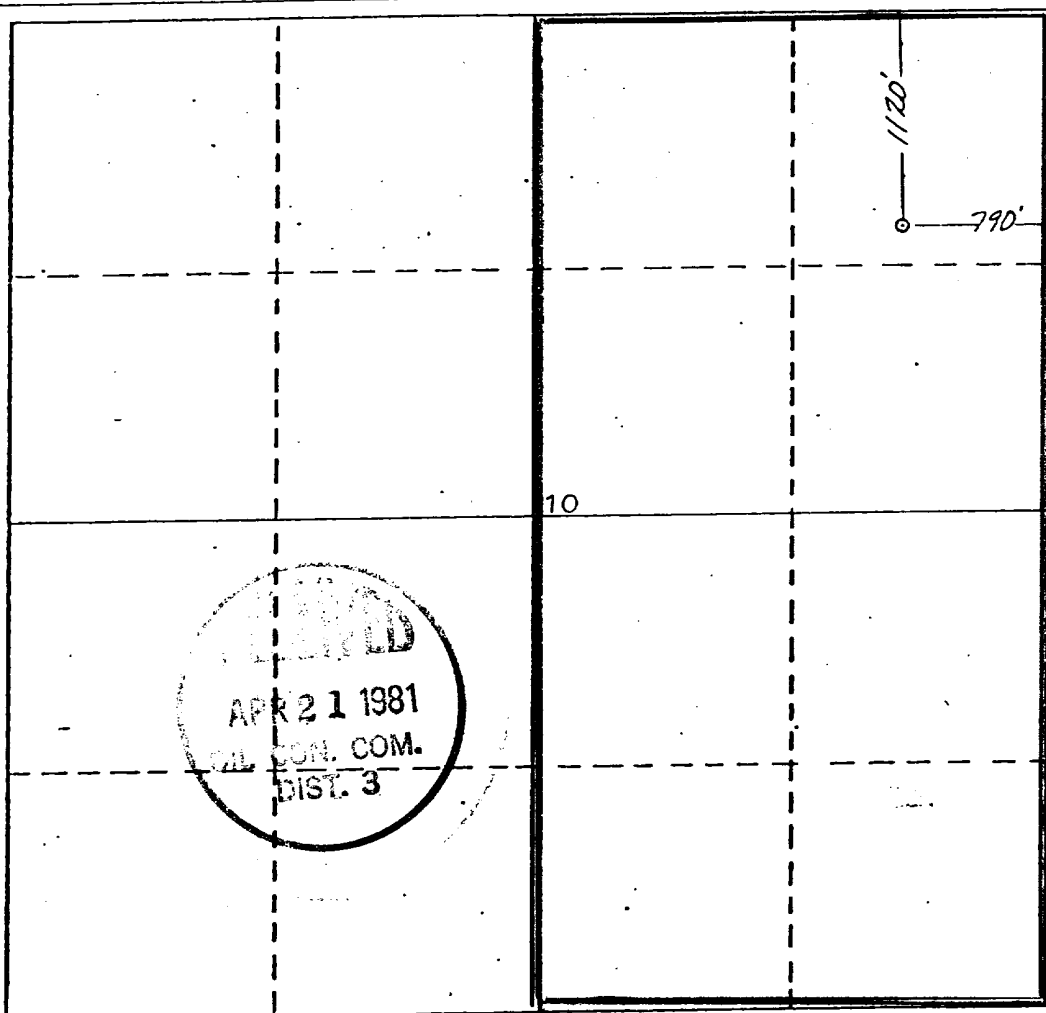
Operator SUPRON ENERGY CORPORATION			Lease RICHARDSON		Well No. 5
Unit Letter A	Section 10	Township 27 NORTH	Range 13 WEST	County SAN JUAN	
Actual Footage Location of Well: 1120 feet from the NORTH line and 790 feet from the EAST line					
Ground Level Elev. 6055	Producing Formation DAKOTA		Pool BASIN	Dedicated Acreage: E/2 320.00 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated. (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



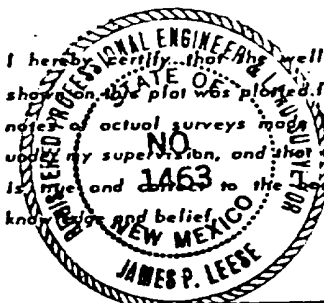
CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Rudy D. Motto

Name
Rudy D. Motto
Position
Area Superintendent
Company
SUPRON ENERGY CORPORATION
Date
October 24, 1980

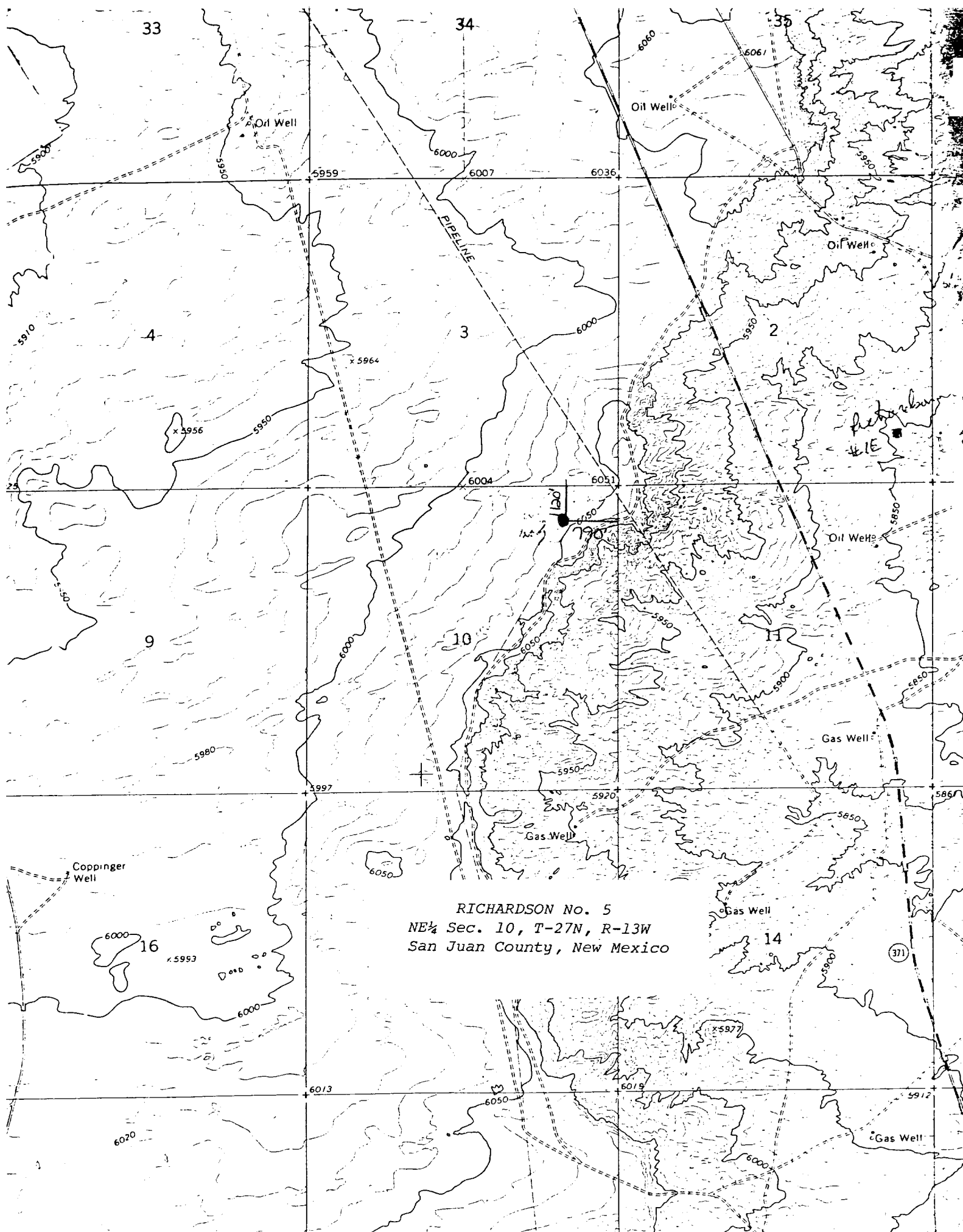
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.



Date Surveyed
October 1, 1980
Registered Professional Engineer and/or Land Surveyor
James P. Leese
James P. Leese
Certificate No.

1463

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600



OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

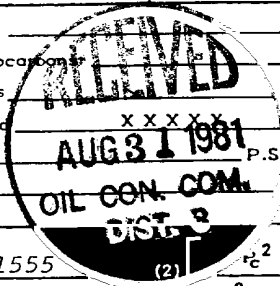
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special					Test Date 8-26-81	
Company SUPRON ENERGY CORPORATION				Connection El Paso Natural Gas Company		
Pool Basin				Formation Dakota		Unit
Completion Date 8-13-81		Total Depth 6400		Plug back TD 6356		Elevation 6066
Csq. Size 4.500	Wt. 10.50	d 4.052	Set At 6399	Perforations: From 6126 To 6223		Well No. 5
Tng. Size 2.375	Wt. 4.70	d 1.995	Set At 6217	Perforations: NO PERFORATIONS From To		Unit Soc. Twp. Rge. A 10 27N 13W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At ----		County San Juan
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		State New Mexico
L 6207	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"				1895		1907		7 days
1.							154	86°	692		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	0.9759	0.9258	1.016	1884
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbon	Deq.
2.					Specific Gravity Separator Gas	X X X X X X X X
3.					Specific Gravity Flowing Fluid	X X X X X
4.					Critical Pressure	P.S.I.A. P.S.I.A.
5.					Critical Temperature	R R



NO.	P _i ²	P _w ²	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1555$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1145$
1		704	495,616	3,186,945		
2						
3						
4						
5						

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2100$

$P_c = 1919$ $P_c^2 = 3,682,561$

Absolute Open Flow	2100	Mcf/d @ 15.025	Angle of Slope °	Slope, n	0.75
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Remarks:

Approved By Division	Conducted By: Floyd Woodward	Calculated By: Kenneth E. Roddy	Checked By:
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