

474-30-039-24464

4912-30-039-20330

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit NE Sec. 27 Twp 30 Rng 6

Name of Well/Wells or Pipeline Serviced SAN JUAN 30-6 UNIT #474, #49R

cps 215w

Elevation 6484' Completion Date 8/5/71 Total Depth 460' Land Type* N/A

Casing, Sizes, Types & Depths N/A

If Casing is cemented, show amounts & types used N/A

If Cement or Bentonite Plugs have been placed, show depths & amounts used
N/A

Depths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. 200'

Depths gas encountered: N/A

Type & amount of coke breeze used: 9000 lbs.

Depths anodes placed: 375', 365', 355', 345', 335', 295', 275', 265', 255', 245'

Depths vent pipes placed: N/A

Vent pipe perforations: 300'

Remarks: qb #2 HOLE MAKING SMALL AMOUNT OF GAS.

RECEIVED
MAY 31 1991
OIL CON. DIV
DIST. 3

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

*Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.
If Federal or Indian, add Lease Number.

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

CPS CONTRACT

Completion Date 8/5/71

Drilling Log (Attach Hereto). ☐

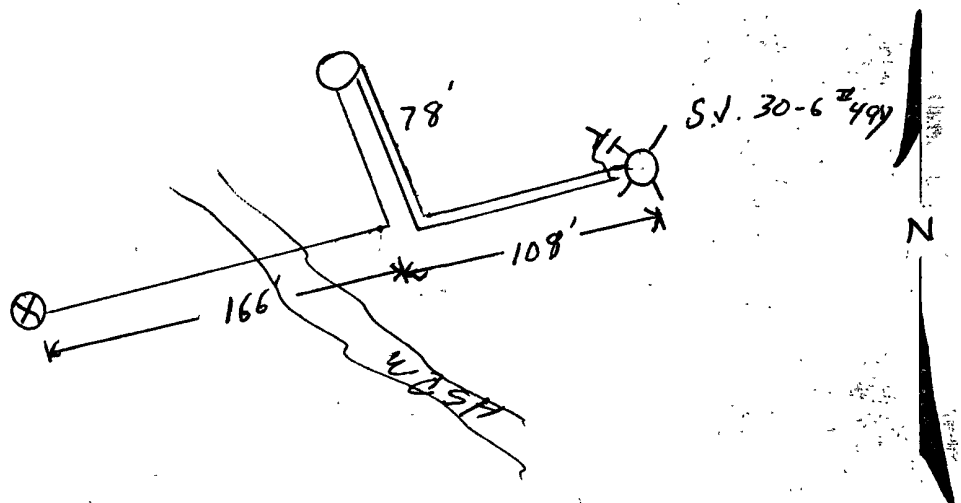
Well Name <u>SAN JUAN 30-6 # 494</u>				Location <u>NE 27 - 30N - 6W</u>				CPS No. <u>215 W</u>											
Type & Size Bit Used <u>6 3/4"</u>								Work Order No. <u>184-54749-19-50-</u>											
Anode Hole Depth <u>460'</u>		Total Drilling Rig Time		Total Lbs. Coke Used <u>9000</u>		Lost Circulation Mat'l Used		No. Sacks Mud Used											
Anode Depth																			
# 1	<u>375</u>	# 2	<u>365</u>	# 3	<u>355</u>	# 4	<u>345</u>	# 5	<u>335</u>	# 6	<u>295</u>	# 7	<u>175</u>	# 8	<u>265</u>	# 9	<u>255</u>	# 10	<u>245</u>
Anode Output (Amps)																			
# 1	<u>4.1</u>	# 2	<u>3.6</u>	# 3	<u>3.2</u>	# 4	<u>4.1</u>	# 5	<u>3.1</u>	# 6	<u>3.5</u>	# 7	<u>3.2</u>	# 8	<u>3.2</u>	# 9	<u>3.2</u>	# 10	<u>3.0</u>
Anode Depth																			
# 11		# 12		# 13		# 14		# 15		# 16		# 17		# 18		# 19		# 20	
Anode Output (Amps)																			
# 11		# 12		# 13		# 14		# 15		# 16		# 17		# 18		# 19		# 20	
Total Circuit Resistance				No. 8 C.P. Cable Used				No. 2 C.P. Cable Used											
Volts <u>12.6</u>		Amps <u>13.8</u>		Ohms <u>0.91Ω</u>		<u>642'</u>													

Remarks: Static G/S 600' SE = .78. Driller Blew water out of
Hole @ 200'. Hole making small amount of gas
Slurried complete hole no attempt made to pump
All anodes responded. Installed CPS Rectifier 40V, 1
Serial # 90268 Vent Hose Perforated 300'
Note: Junction Box, Positive and Negative cables NOT INST.

All Construction Completed

Edward A. Paulk
(Signature)

GROUND BED LAYOUT SKETCH



DAILY DRILLING REPORT

C.F.S.

LEASE				WELL NO. 215 W				CONTRACTOR				RIG NO. 1				REPORT NO.				DATE 8-5 1971			
MORNING								DAYLIGHT								EVENING							
Driller				Total Men In Crew				Driller				Total Men In Crew				Driller				Total Men In Crew			
FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.				
0	15	Surface Soil -			85	90	Sand "Marble Water"			235	250	Sand w/ shale streaks			360	380	Sand w/ shale streaks						
15	55	Shale w/ sand streaks			90	168	Shale & SDY shale			250	355	Shale			380	380	Sand						
55	65	Sand stone			168	199	Sand stone & shale			355	310	SDY shale & sand			370	370	Sand						
65	85	Damp sand stone			199	235	Wet sand stone			310	360	SDY shale			380	380	Sand						
				NO. DC				NO. DC				NO. DC				NO. DC							
				SIZE				SIZE				SIZE				SIZE							
				LENG.				LENG.				LENG.				LENG.							
BIT NO.				NO. DC				NO. DC				NO. DC				NO. DC							
SERIAL NO.				STANDS				STANDS				STANDS				STANDS							
SIZE				SINGLES				SINGLES				SINGLES				SINGLES							
TYPE				DOWN ON KELLY				DOWN ON KELLY				DOWN ON KELLY				DOWN ON KELLY							
MAKE				TOTAL DEPTH				TOTAL DEPTH				TOTAL DEPTH				TOTAL DEPTH							
MUD RECORD				MUD, ADDITIVES USED AND RECEIVED				MUD, ADDITIVES USED AND RECEIVED				MUD, ADDITIVES USED AND RECEIVED				MUD, ADDITIVES USED AND RECEIVED							
Time				Time				Time				Time				Time							
WT.				V.S.				WT.				V.S.				WT.				V.S.			
FROM				TO				FROM				TO				FROM				TO			
TIME BREAKDOWN				TIME BREAKDOWN				TIME BREAKDOWN				TIME BREAKDOWN				TIME BREAKDOWN							
REMARKS -				REMARKS -				REMARKS -				REMARKS -				REMARKS -							
				Hole wet @ 85-90' - 299-235"																			
				Blew water out at hole @																			
				200' - Drill to 460 w/ bit &																			
				WTR. IND. - Hole making GAS.																			
				Logged Hole																			
				12 Hrs. Drilling Time -																			

SIGNED: Toolpusher

Company Supervisor

Joe Maxwell

EL PASO NATURAL GAS COMPANY
ENGINEERING DEPARTMENT

Sheet _____ of _____

Date: _____

By: _____

SAN VUAN 30-6 #491

MW	gas/mol
16	C ₁ 8.5
30	C ₂ 9.56
44	C ₃ 10.42
58	IC ₄ 12.38
72	NC ₄ 11.53
86	IC ₅ 13.85
100	NC ₅ 13.71
114	IC ₆ 15.50
128	C ₇ 15.57
142	IC ₇ 17.2
156	C ₈ 17.46
170	C ₉ 19.38
184	C ₁₀ 19.64
200	C ₁₁ 19.67

MW	MISC.	gas/mol
44	CO ₂	9.26
34	H ₂ S	5.17
28	N ₂	4.16
2	H ₂	1.18

				Depth	Water	CO ₂
200	.77	70	1.83	1 375	2.2	4.1
	.86		1.57	2 365	1.64	3.6
10	.72	80	1.29	3 355	1.72	3.2
	.63		1.02	4 345	2.4	4.1
20	1.18	90	.73	5 335	1.68	3.1
	1.18		.86	6 295	1.82	3.5
30	1.30	400	.68	7 275	1.63	3.2
	1.40		.35	8 265	1.56	3.2
40	1.45	10	.75	9 255	1.56	3.2
	1.48		1.14	10 245	1.53	3.0
50	1.44	20	1.31	12.6V	13.8A	0.912
	1.52		1.10			
60	1.45	30	1.16			
	1.47		1.26			
70	1.61	40	1.32			
	1.55		1.32			
80	1.38	50	B.T. 451			
	1.15					
90	1.28					
	1.53					
300	1.05					
	1.01					
10	.48					
	.34					
20	.37					
	.89					
30	1.10					
	1.48					
40	1.71					
	2.0					
50	1.53					
	1.66					
60	1.52					