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30-039-21701

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

Operator MERIDIAN OIL Location: Unit NW Sec. 31 Twp 30 Rng 7

Name of Well/Wells or Pipeline Serviced SAN JUAN 30-6 UNIT #8A

cps 1417w

Elevation 6050' Completion Date 9/5/79 Total Depth 530' Land Type* N/A

Casing, Sizes, Types & Depths 15' OF 8" PLASTIC SURFACE CASING

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. 80' SAMPLE TAKEN

Depths gas encountered: N/A SMALL AMOUNT OF GAS

Type & amount of coke breeze used: 58 SACKS

Depths anodes placed: 515', 508', 501', 480', 473', 466', 459', 410', 395', 275'

Depths vent pipes placed: 540'

Vent pipe perforations: 460'

Remarks: gb #1

RECEIVED
MAY 31 1991
OIL CON. DIV. I
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

CONTRACT #2

Drilling Log (Attach Hereto). ☐

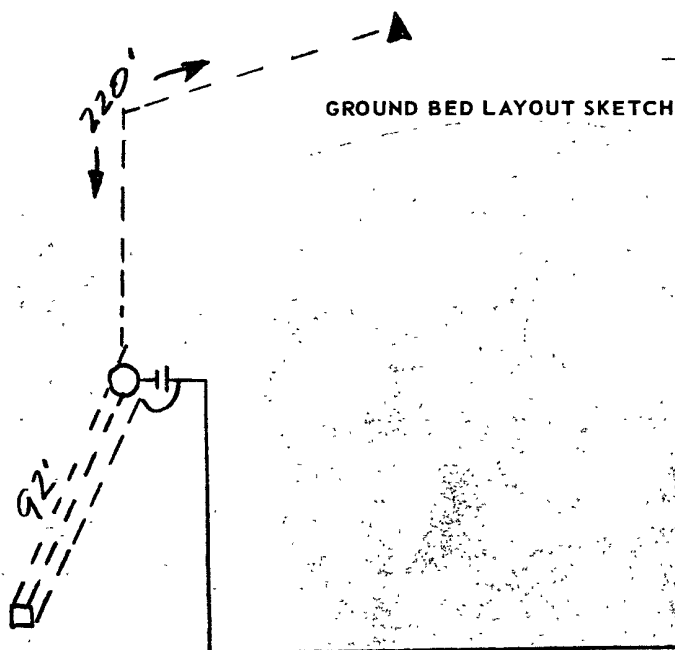
2" X 60" DUKIRON

Completion Date 9-5-79

Well Name ST 30-6 #8A		Location NW 31-30-7		CPS No. 1417W	
Type & Size Bit Used 6 3/4"		STATIC = 1.05		Work Order No. 57419-21	
Anode Hole Depth 530'	Total Drilling Rig Time	Total Lbs. Coke Used 58 BAGS	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth	# 1	# 2	# 3	# 4	# 5
	515	508	501	480	473
Anode Output (Amps)	# 1	# 2	# 3	# 4	# 5
	2.7	1.8	1.6	2.6	3.1
Anode Depth	# 6	# 7	# 8	# 9	# 10
	466	459	410	395	275
Anode Output (Amps)	# 6	# 7	# 8	# 9	# 10
	3.8	2.8	2.1	2.0	2.5
Anode Depth	# 11	# 12	# 13	# 14	# 15
Anode Output (Amps)	# 11	# 12	# 13	# 14	# 15
Total Circuit Resistance	No. 8 C.P. Cable Used		No. 2 C.P. Cable Used		
Volts 11.8	Amps 10.2	Ohms 1.15			

Remarks: Water at 80' set over night. Blow sample & find
have to inject any water. Estimate 75 gal per
minute. Small amount gas. Set 15' 8" plastic
surface casing. 1 1/2 hrs rig time.
540' 1" PVC vent pipe 460' perforated

All Construction Completed



B.T.
(Signature)

20' METER POLE
40116 REET
DITCH +1 CABLE = 312'
EXTRA CABLE = 209'
HOLE = +30

TRUNK "A" LOOP

DISTRIBUTION:

WHITE - Division Corrosion Office
YELLOW - Area Corrosion Office
PINK - Originator File

TRUNK "A"

EL PASO NATURAL GAS COMPANY
DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE _____ WELL NO. _____ CONTRACTOR *Loay* RIG NO. _____ REPORT NO. _____ DATE *9-5* 19 *79*

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.

BIT NO. <i>6 3/4</i>		NO. DC _____ SIZE _____ LENG. _____	BIT NO. _____		NO. DC _____ SIZE _____ LENG. _____	BIT NO. _____		NO. DC _____ SIZE _____ LENG. _____
SERIAL NO. _____		STANDS _____	SERIAL NO. _____		STANDS _____	SERIAL NO. _____		STANDS _____
SIZE _____		SINGLES _____	SIZE _____		SINGLES _____	SIZE _____		SINGLES _____
TYPE _____		DOWN ON KELLY _____	TYPE _____		DOWN ON KELLY _____	TYPE _____		DOWN ON KELLY _____
MAKE _____		TOTAL DEPTH _____	MAKE _____		TOTAL DEPTH _____	MAKE _____		TOTAL DEPTH _____

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED			MUD RECORD			MUD, ADDITIVES USED AND RECEIVED			MUD RECORD			MUD, ADDITIVES USED AND RECEIVED		
Time	Wt.	Vis.				Time	Wt.	Vis.				Time	Wt.	Vis.			

FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN
0	10	<i>by face</i>						
10	25	<i>sand</i>	75	100	<i>min. on water</i>			
25	55	<i>shale</i>						
55	65	<i>sand wet</i>						
65	75	<i>shale</i>						
75	80	<i>sand wet 5-6 gal/min</i>						

REMARKS -		REMARKS -		REMARKS -	
80-95	<i>shale</i>	160-260	<i>hard shale</i>	<i>1 1/2 HR casing</i>	
95-110	<i>hard shale</i>	260-290	<i>shale</i>		
110-120	<i>shale</i>	290-450	<i>sand</i>		
120-135	<i>sand</i>	450-540	<i>sandy shale</i>		
135-140	<i>shale</i>				
140-160	<i>sand</i>				

SIGNED: Toolpusher

Company Supervisor

$$S_{\text{STATIC}} = 1.05 \quad 1417 \text{ W}$$

SI 30-6 #8A NW31-30-7 51419-2

Water at 80' set over well and blow water sample. Did not have to inject any water. Estimate 75 gal water per minute. (small amount Sh. 15' 8" surface casing. 1 1/2 Hr. Reg. time gas.)

540' 1" PVC Seal 460' perforated. Drilled to 542' log.

$$11.8 \text{ V} / 10.2 \text{ A} = 1.15 \Omega$$

MW	gals/mol	
16.04	C ₁	6.4
30.07	C ₂	10.12
44.10	C ₃	10.42
58.12	iC ₄	12.38
58.12	nC ₄	11.93
72.15	iC ₅	13.85
72.15	nC ₅	13.71
86.18	iC ₆	15.50
86.18	C ₆	15.57
100.21	iC ₇	17.2
100.21	C ₇	17.46
114.23	C ₈	19.39
28.05	C ₂ ⁺	9.64
42.08	C ₃ ⁺	9.67

MW	MISC. gals/mol	
32.00	O ₂	3.37
28.01	CO	4.19
44.01	CO ₂	6.38
64.06	SO ₂	5.50
34.08	H ₂ S	5.17
28.01	N ₂	4.16
2.02	H ₂	3.38

[illegible]

EL PASO NATURAL GAS COMPANY
SAN JUAN DIVISION
FARMINGTON, NEW MEXICO
PRODUCTION DEPARTMENT WATER ANALYSIS

Analysis No. 1-9722 Date 10-24-79
Operator ENPG Well Name SJ 30-6 8 A
Location NW 31-30-7 County Rio Arriba State N.M
Field _____ Formation _____
Sampled From 1417 W.
Date Sampled _____ By _____

Tbg. Press.	Csg. Press.	Surface Csg. Press.
ppm	epm	ppm epm
Sodium <u>104</u>	<u>5</u>	Chloride <u>12</u> <u>.3</u>
Calcium <u>262</u>	<u>13</u>	Bicarbonate <u>127</u> <u>2</u>
Magnesium <u>36</u>	<u>3</u>	Sulfate <u>875</u> <u>18</u>
Iron _____	_____	Carbonate <u>0</u> <u>0</u>
H ₂ S _____	_____	Hydroxide <u>0</u> <u>0</u>

cc: D.C.Adams
R.A.Ullrich
E.R.Paulek
J.W.McCarthy
A.M.Smith
W.B.Shropshire
File
80 Ft
C.B.O'Nan

Total Solids Dissolved 1120

pH 7.4

Sp. Gr. 1.0021 at 60°F

Resistivity 580 ohm-cm at 77 °F

C. J. K. ...
Chemist

