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962

30-039-21673

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

Operator MERIDIAN OIL Location: Unit SE Sec. 36 Twp 30 Rng 6

Name of Well/Wells or Pipeline Serviced SAN JUAN 30-6 UNIT #89A

cps 1421w

Elevation 6670' Completion Date 9/11/79 Total Depth 400' 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. 110'

Depths gas encountered: N/A

Type & amount of coke breeze used: 4700 lbs.

Depths anodes placed: 360', 345', 335', 325', 315', 305', 275', 265', 255', 245'

Depths vent pipes placed: 400'

Vent pipe perforations: 300'

Remarks: gb #1

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

CONTRACT 2

Drilling Log (Attach Hereto). ☐

Completion Date 9-11-79

Well Name SAN JUAN 30-6 #89A		Location SE 36-30+6		CPS No. 1421 W	
Type & Size Bit Used 63/4"		2" X 60" PUMP		Work Order No. 57415.21	
Anode Hole Depth 400-400TD	Total Drilling Rig Time	Total Lbs. Coke Used 4700	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth	# 1	# 2	# 3	# 4	# 5
	360	345	335	325	315
Anode Output (Amps)	# 1	# 2	# 3	# 4	# 5
	3.7	2.9	3.4	3.6	3.1
Anode Depth	# 6	# 7	# 8	# 9	# 10
	305	275	265	255	245
Anode Output (Amps)	# 6	# 7	# 8	# 9	# 10
	2.7	3.3	4.7	4.3	4.0
Anode Depth	# 11	# 12	# 13	# 14	# 15
Anode Output (Amps)	# 11	# 12	# 13	# 14	# 15
Total Circuit Resistance	Volts 11.8		Amps 15.4		Ohms .77
No. 8 C.P. Cable Used		No. 2 C.P. Cable Used			

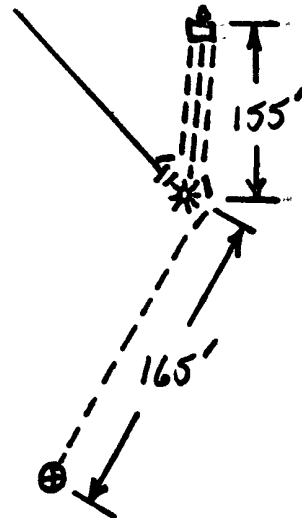
Remarks: ST 1/2 = UNION shoeted Driller said WATER AT 110 FT
Drilled to 400 FT 9-7-79 Hole sat over weekend WATER AT
APPROX 200 FT 9-11-79 Logged 400 FT INSTALLED 400 FT OF
VENT PIPE 300 FT PERFORATED SLURRIED 47 SACKS OF
COKE

Hole depth = -100
 METER pole
 STUB pole
 40V 16A RECT
 DITCH + cable = 320'
 EXTRA cable = 335'

All Construction Completed

Robert J. Belnick
 (Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:

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

6620

LEASE C.P.S. 1421 W WELL NO. CONTRACTOR *D'BRIANT* RIG NO. REPORT NO. DATE *9-10-* 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.		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	15	SANDSTONE	110	155	SHALE	360	370	SHALE
15	25	SAND (DAMP)	155	172	SANDSTONE DAMP	370	400	SANDSTONE
25	65	SHALE	172	195	SHALE			
65	75	SANDSTONE	195	208	SAND DAMP			
75	85	SANDY SHALE	208	230	SANDSTONE			
85	110	SANDSTONE WATER	230	360	SHALE			

REMARKS -	REMARKS -	REMARKS -
	MAKING WATER @ 110'	
	APPROXIMATELY 2 GAL PER MIN	
	DRILLED 400' LOGGED 400'	

SIGNED: Toolpusher

O'BRIANT

Company Supervisor

E. J. Westmoreland

El Paso Natural Gas Company
ENGINEERING CALCULATIONSheet: 1 of 1
Date: 9-7-79
By: PAB
File: 1421W1421W SE36-30-6
SAN JUAN 30-6 #89A 57415.21
STATIC %S 600'-union checks shorted 2 ways9-7-79 - 10 hrs
9-11-79 - 10 hrs

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 ²	9.64
42.08	C ₃ ²	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

100	300	1.4
5	5	1.4 - 6
10	10	1.5
5	5	1.4 - 5
20	20	1.8
5	5	1.7 - 4
30	30	1.5
5	5	1.6 - 3
40	40	1.5
5	5	1.6 - 2
50	50	.9
5	5	1.7
60	60	2.0 - 1
5	5	1.7
70	70	1.1
5	5	.8
80	80	.6
5	5	.7
90	90	
5	5	
200	400	
5		.8
10		1.6
5		1.9
20		1.9
5		1.7
30		1.7
5		1.8
40		1.9
5		1.8 - 10
50		2.0
5		2.0 - 9
60		1.8
5		1.9 - 8
70		2.3
5		1.6 - 7
80		.8
5		.5
90		.5
5		.4

Driller said water at
110 FT Drilled 400 FT
Logged 400 FT installed
400 FT OF VENT PIPE
300 FT PERFORATED
WATER STANDING APPROX
200 FT By 9-10-79
47 JACKS OF LOCK

2-10 FT STALKS OF 1"
Rigid conduit charged
TO THIS LOCATION AT
EPN 6 WAREHOUSE
Hole depth = -100
meter Loop
STUB POLE
40016A
DITCH & cable = 320 FT
EXTRA cable = 335 FT
(includes 25 FT hookup wire)

- ① 360 - 2.3 - 3.7
- ② 345 - 1.7 - 2.9
- ③ 335 - 1.8 - 3.4
- ④ 325 - 2.0 - 3.6
- ⑤ 315 - 1.6 - 3.1
- ⑥ 305 - 1.5 - 2.7
- ⑦ 275 - 1.7 - 3.3
- ⑧ 265 - 2.5 - 4.7
- ⑨ 255 - 2.3 - 4.3
- ⑩ 245 - 2.2 - 4.0

$$11.8V \ 15.4A = .77$$