

3192

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30-045-23184

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

Operator MERIDIAN OIL INC. Location: Unit p Sec. 19 Twp 31 Rng 11

Name of Well/Wells or Pipeline Serviced CASE #7A

cps 1989w

Elevation 5966 Completion Date 8/31/88 Total Depth 360' 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. 140' SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 330', 300', 290', 280', 270', 260', 250', 210', 200', 190'

Depths vent pipes placed: 360'

Vent pipe perforations: 260'

Remarks: gb #1

RECEIVED
MAY 31 1989

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

Drilling Log (Attach Hereto) ☒Completion Date 8-31-88

CPS <u>1989W</u>	Well Name, Line or Plant <u>Cable #7A</u>	Work Order # <u>49576A</u>	Size <u>600W = .816</u>	Ins. Union Check ☒ Good ☐ Bad
Location <u>P19-31-11</u>	Anode Size <u>2" x 60"</u>	Anode Type <u>Duriron</u>	Size Bit <u>1 3/4"</u>	
Depth Drilled <u>360'</u>	Depth Logged <u>360'</u>	Drilling Log Time	Total Log Ckts Used	Lost Circulation Mat. Used
Anode Depth # 1 <u>330</u> # 2 <u>300</u> # 3 <u>290</u> # 4 <u>280</u> # 5 <u>270</u> # 6 <u>260</u> # 7 <u>250</u> # 8 <u>210</u> # 9 <u>200</u> # 10 <u>190</u> Anode Output (Amps) # 1 <u>6.4</u> # 2 <u>5.0</u> # 3 <u>6.5</u> # 4 <u>6.6</u> # 5 <u>6.0</u> # 6 <u>6.3</u> # 7 <u>4.6</u> # 8 <u>6.0</u> # 9 <u>6.5</u> # 10 <u>6.8</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 Volts <u>11.86</u> Amps <u>30.8</u> Ohms <u>.38</u> No. 1 C.P. Cable Used No. 2 C.P. Cable Used				

Remarks: Static water at 140'; sample taken. Installed 360' of 1" PVC vent pipe, bottom 260' perforated.

Rectifier Size: 40 V 16 A 669.00
 Add'l Depth: 140' @ .350 - 490.00
 Extra Cable: 230' @ .24 55.20
 Ditch & 1 Cable: 210' @ .70 147.00

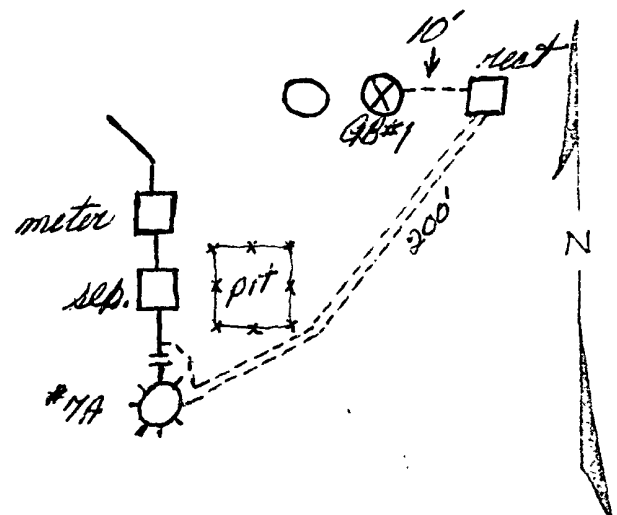
25' Meter Pole: 1 @ 297.00 297.00
 20' Meter Pole: 1 @ 225.00 225.00
 10' Stub Pole: 1 @ 225.00 225.00
 Junction Box: 1 @ 225.00 225.00

4977.20
248.86
5226.06 OK 92

5964

All Construction Completed

Cahoon Rodman
(Signature)



D. CRASS

CPS # 1989W
DRILLING CO

Drill No. 3

DRILLER'S WELL LOG

S. P. No. CASE # 7A Date 8-31-88

Client Meridian Oil Co.

Prospect _____

County SAN JUAN

State New Mex.

If hole is a redrill or if moved from original staked position show distance
and direction moved: _____

FROM	TO	FORMATION — COLOR — HARDNESS
<u>0</u>	<u>40</u>	<u>Shale</u>
<u>40</u>	<u>50</u>	<u>SAND</u>
<u>50</u>	<u>70</u>	<u>SANDY shale</u>
<u>70</u>	<u>140</u>	<u>Shale</u>
<u>140</u>	<u>145</u>	<u>SANDstone</u>
<u>145</u>	<u>190</u>	<u>SAND</u>
<u>190</u>	<u>220</u>	<u>Shale</u>
<u>220</u>	<u>230</u>	<u>SANDY shale</u>
<u>230</u>	<u>250</u>	<u>SANDstone</u>
<u>250</u>	<u>310</u>	<u>Shale</u>
<u>310</u>	<u>325</u>	<u>SANDstone</u>
<u>325</u>	<u>340</u>	<u>Shale</u>
<u>340-360</u>		<u>SANDstone</u>
Mud _____	Bran _____	Lime _____

Rock Bit Number _____ Make _____

Remarks: Water @ 160'

Driller RONNIE BROWN

WELL TYPE GROUND BED DATA

D A SHEET NO. _____

CPS # 1989W

COMPANY MERIDIAN OIL JOB No. 13128 DATE: 8/31/88
 WELL: CASE 7A PIPELINE: _____
 LOCATION: SEC 19 TWP. 31N RGE. 11W CO. SAN JUAN STATE N. Mex
 ELEV. _____ FT: ROTARY 360 FT: CABLE TOOL 0 FT: CASING 0 FT.
 GROUND BED: DEPTH 360 FT. DIA. 6 3/4 IN. GAS 3600 LBS. ANODES 10 2"X60" TYPE D

DEPTH. FT.	DRILLER'S LOG	EXPLORING ANODE TO STRUCTURE			NO COKE	WITH COKE	ANODE NO.	DEPTH TOP OF ANODES
		E	I	R	I	I		
50	1.330-3.7-6.4							
55	2.300-2.4-5.0							
60	3.240-3.5-6.5							
65	4.280-3.2-6.6							
70	5.270-3.2-6.0							
75	6.260-3.5-6.3							
80	7.250-2.5-4.6			3.3				
85	8.210-3.3-6.0			3.3				
90	9.200-3.7-6.5			3.7				
95	10.190-3.9-6.8			3.4				
100				3.0				
5				3.2				
10				3.4				
15				3.1				
20				3.1				
25				3.0				
30				2.9				
35				2.5				
40				2.2				
45				2.0				
50				2.3				
55				2.4				
60				1.7				
65				1.8				
70				1.8				
75				1.7				
80				1.7				
85				2.2				
90				2.6 + (10)				
95				2.5				
200				2.5 + (9)				
5				2.5				
10				2.3 + (8)				
15				2.1				
20				1.9				
25				1.3				
30				.9				
35				1.3				
40				1.7				
45				2.1				
50				2.2 + (7)				
55				2.5				

GROUND BED RESISTANCE: (1) VOLTS 11.86 - AMPS 30.8 - .38 OHMS

(2) VIBROGROUND _____ OHMS

GENERAL CATHODIC PROTECTION SERVICES CO.

A. LUKENS "S&W"

WELL. CASE 7A

JCB No. 13128

DATE: 8/31/88

PIPELINE:

LOCATION: SEC 19 TWP 31N RGE. 11W CO. San Juan

STATE N. Mex

ELSV. _____ FT: ROTARY 360 FT: CABLE TCGI _____

REF: CASING. 6

GROUNDROD: DEPTH 360 FT. DIA. 6 3/4 IN. GAS 3600

LES. ANCHES 10 2"X60" TYPE D

GROUNDING RESISTANCE: (1) VOLTS _____ - AMPS _____ - _____ OHMS

(b) VERACROUND _____ CRANE

GENERAL CATHODIC PROTECTION SERVICES CO.



API WATER ANALYSIS REPORT FORM

Company MERIDIAN OIL COMPANY		Sample No. 1		Date Sampled 8/30/86	
Field		Legal Description P 19-31-11		County or Parish State	
Lease or Unit Case		Well # 7A		Depth 140'	
Type of Water (Produced, Supply, etc.)		Formation		Water, B/D	
Sampling Point		Sampled By C.R.			

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na (calc.)	4682	291.8
Calcium, Ca	149	22.4
Magnesium, Mg	34	2.8
Barium, Ba		

OTHER PROPERTIES

pH	7.81
Specific Gravity, 60/60 F.	1.009
Resistivity (ohm-meters)	72° F. .93

Total Dissolved Solids (calc.)

24600

ANIONS

Chloride, Cl	2308	65.0
Sulfate, SO ₄	12,024	250.5
Carbonate, CO ₃	0	0
Bicarbonate, HCO ₃	42	1.5

Iron, Fe (total)

Sulfide, as H₂S

neg

REMARKS & RECOMMENDATIONS:

