

3181

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30-045-26903

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 A Sec. 31 Twp 31 Rng 8
Name of Well/Wells or Pipeline Serviced HOWELL D #352
cps 2000
Elevation 6519' Completion Date 9/23/88 Total Depth 440' 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. 18'
Depths gas encountered: N/A
Type & amount of coke breeze used: N/A
Depths anodes placed: 400', 390', 380', 340', 330', 320', 310', 300', 290', 280'
Depths vent pipes placed: 435'
Vent pipe perforations: 415'
Remarks: gb #1

RECEIVED

MAY 31 1991

OIL CON. DIV. J
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 Here) ☒Completion Date 9-23-88

CPS #		Well Name & Location		Work Order #		State		Ins. Union Check		
000012		Pawnee D. 358		3090A				☐ Good ☒ Bad		
Line Unit #	Shoe Size	Shoe Type		Size Bit						
WE 31-31-B	2" x 60"	Durum		5 3/4						
Depth Drilled	Depth Lost	Drilling Rig Time		Total Casing Used		Lost Circulation Material Used		No. Sacks Mud Used		
440'	435'									
Actual Depth	Actual Depth	Actual Depth	Actual Depth	Actual Depth	Actual Depth	Actual Depth	Actual Depth	Actual Depth	Actual Depth	
440	390	380	340	330	320	310	300	290	280	
Actual Current (amps)	Actual Current (amps)	Actual Current (amps)	Actual Current (amps)	Actual Current (amps)	Actual Current (amps)	Actual Current (amps)	Actual Current (amps)	Actual Current (amps)	Actual Current (amps)	
2.9	2.9	2.6	3.0	3.0	2.9	3.0	3.0	3.5	3.4	
Actual Depth	Actual Depth	Actual Depth	Actual Depth	Actual Depth	Actual Depth	Actual Depth	Actual Depth	Actual Depth	Actual Depth	
11	12	13	14	15	16	17	18	19	20	
Actual Current (amps)	Actual Current (amps)	Actual Current (amps)	Actual Current (amps)	Actual Current (amps)	Actual Current (amps)	Actual Current (amps)	Actual Current (amps)	Actual Current (amps)	Actual Current (amps)	
11	12	13	14	15	16	17	18	19	20	
Total Circuit Resistance	Volts		Amps		Volts		Amps		Volts	
11.90	18.5		.88							

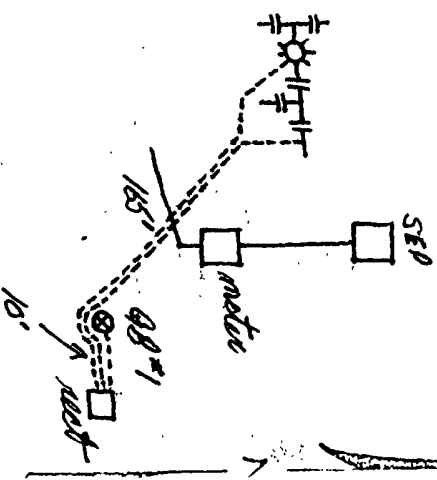
Remarks: 240 lbs was removed from 18' sample taken. Installed 435' of 1" PVC vent pipe, bottom 415' perforated 80' hole was drilled beside 88 to double check water at 18'.

Rectifier Size: 40 V 16 A 669.00
 Add'l Depth: 65' @ 3.50 = 227.50
 Depth Credit: 215' @ 2.4 = 51.60
 Extra Cable: 215' @ 2.4 = 51.60
 Ditch & 1 Cable: 145' @ 2.4 = 120.50

Colin D. Redman
 Signature

All Construction Completed

3093.10
 253.66 ok
 tax 3326.76 ok



656

D-3

CPS# 2000W

Darrell CRASS Drilling Co.

SPNO. Howell D #352

Date 9-22-88

Client Meridian Oil Co.

County SAN JUAN

State New Mexico.

0-20	SAND
20-65	Shale
65-90	SANDstone
90-110	Shale
110-125	SANDstone
125-135	Shale
135-160	SANDstone
160-170	Shale
170-190	SANDstone
190-220	Shale
220-270	SANDstone
270-350	Shale
350-390	SANDstone
390-400	Shale
400-440	SANDstone

Remarks. Water @ 18'

Driller RONNIE BROWN

GROUNDING: DEPTH _____ FT. DIA. _____ IN. CABLE _____ LBS. ANCHORS _____

GENERAL CATHODIC PROTECTION SERVICES CO.

COMPANY MERTONIAN OIL JOB NO. 13128 DATE 9-23-88
 WELL: HOWELL O # 352 PIPELINE: _____
 LOCATION: SEC 31 TWP. 31 RGE 9 CO. SAN JUAN STATE NMEX
 ELEV. _____ FT: ROTARY 440 FT: CABLE TOOL -0- FT: CASING -0- FT
 GROUND BED: DEPTH 435 FT. DIA. 6 3/4 IN. CAS 4350 LBS. ANODES 10 2X60 TYPE

DEPTH FT.	DRILLER'S LOG	EXPLORING ANODE TO STRUCTURE			NO COKE	WITH COKE	ANODE NO.	DEPTH TOP OF ANODES
		E	I	R				
	<u>FIRST WATER 15-20</u>							
50				1.2				
55				1.0				
60				1.0				
65				0.8				
70				0.3				
75				0.7				
80				0.6				
85				0.6				
90				1.0				
95				1.9				
100				2.1				
5				2.3				
10				1.4				
15				1.0				
20				1.4				
25				1.6				
30				1.4				
35				1.2				
40				1.0				
45				0.8				
50				0.7				
55				0.8				
60				0.9				
65				1.3				
70				1.2				
75				1.1				
80				1.0				
85				1.1				
90				1.5				
95				1.8				
100				1.8				
5				1.5				
10				1.1				
15				0.8				
20				0.6				
25				0.6				
30				0.7				
35				0.8				
40				1.0				
45				1.2				
50				1.1				
55				1.0				
55				1.0				

GROUND BED RESISTANCE: (1) VOLTS _____ AMPS _____ OHMS

(2) VIBROGROUND _____ OHMS

GENERAL CATHODIC PROTECTION SERVICES CO.

LUXENS COMPANY