

1320

75 30-039-07797

413 30-039-24159

413R 30-039-24396

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 K Sec. 23 Twp 30 Rng 7

Name of Well/Wells or Pipeline Serviced SAN JUAN 30-6 UNIT #75, #413, #413R

cps 1924w

Elevation 6260' Completion Date 9/10/84 Total Depth 540' Land Type* N/A

Casing, Sizes, Types & Depths 20' OF 8" SURFACE PIPE

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. 50' - 60' SAMPLE TAKEN

Depths gas encountered: N/A

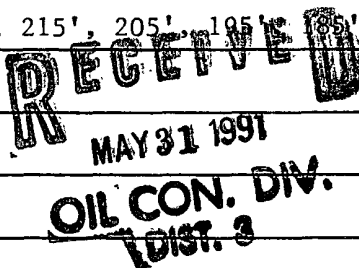
Type & amount of coke breeze used: 5000 lbs.

Depths anodes placed: 505', 470', 455', 395', 240', 215', 205', 185', 165', 170'

Depths vent pipes placed: N/A

Vent pipe perforations: N/A

Remarks: gb #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 9-10-84

RED RILL

CPS # 157W Well Name, Line or Plant: SV 30-6 #75 Work Order # 52222 Static: 413 Ins: Union Check ☐ Good ☐ Bad

Location: SW 23-30-7 Anode Size: 2" x 60" Anode Type: Duriron Size Bit: 6 3/4"

Depth Drilled: 540' Depth Logged: 520' Drilling Rig Time: 5000 Total Lbs. Coke Used: 5000 Lost Circulation Mat'l Used: 5000 No. Sacks Mud Used: 5000

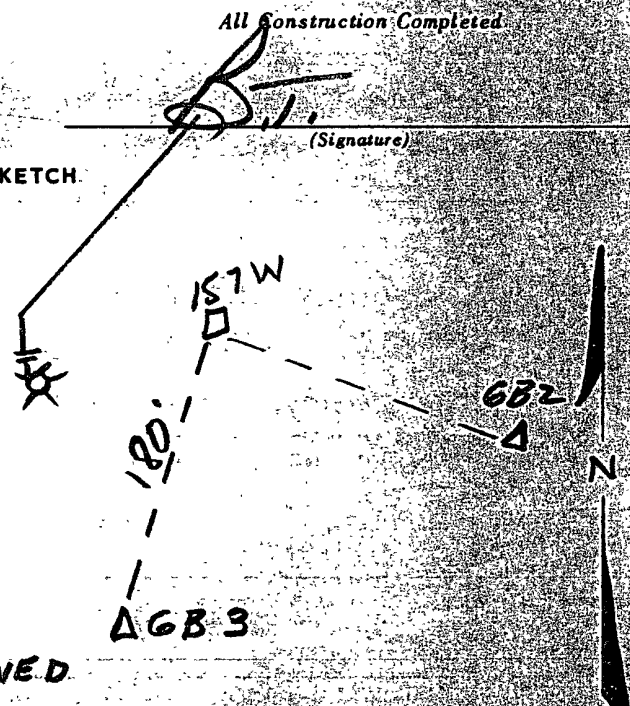
Anode Depth	# 1 <u>505</u>	# 2 <u>470</u>	# 3 <u>455</u>	# 4 <u>395</u>	# 5 <u>240</u>	# 6 <u>215</u>	# 7 <u>205</u>	# 8 <u>195</u>	# 9 <u>185</u>	# 10 <u>170</u>					
Anode Output (Amps)	# 1 <u>247</u>	# 2 <u>170</u>	# 3 <u>180</u>	# 4 <u>130</u>	# 5 <u>189</u>	# 6 <u>284</u>	# 7 <u>428</u>	# 8 <u>353</u>	# 9 <u>420</u>	# 10 <u>354</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					Amps					Ohms				
No. 8 C.P. Cable Used					No. 2 C.P. Cable Used										

Remarks: Water 50'-60'. Lab Sample. Installed 20-8"
PVC Surface pipe. 1 Hr. rig time.

Rectifier Size: 20' V 20' A
 Addn'l Depth: 20'
 Depth Credit: 180'
 Extra Cable: 180'
 Ditch & 1 Cable: 180'
 25' Meter Pole: 180'
 20' Meter Pole: 180'
 10' Stub Pole: 180'

1 & 2 Lab.
1 Hr. rig time
Tatum 20 Hrs RT 3 Hrs OT
Wheeler 10 ✓ ✓ ✓ 3 ✓ ✓ ✓

GROUND BED LAYOUT SKETCH



INSTRUCTION LOGGING READINGS

CPS #: 157W WELL NAME: 30-6 # 75 LOCATION: SW23-30-7 DATE: 9-10-84
9-11-84

TOTAL VOLTS: 12.57 TOTAL AMPS: 12.30 OHMS RESISTANCE: 1.00

												ANODE READINGS			
DEEP	LOG	ANODE	DEEP	LOG	ANODE	DEEP	LOG	ANODE	DEEP	LOG	ANODE	NO.	DEPTH	NO.	WITH
	ANODE	NO.		ANODE	NO.		ANODE	NO.		ANODE	NO.			COKE	COKE
5			185	163	9	365	56		545			1	505	157	247
10			190	149		370	60		550			2	470	112	170
15			195	62	8	375	53		555			3	455	116	180
20			200	168		380	45		560			4	395	82	130
25			205	183	7	385	49		565			5	240	88	189
30			210	122		390	73		570			6	215	138	284
35			215	92	6	395	80	4	575			7	205	220	428
40			220	69		400	78		580			8	195	170	353
45			225	49		405	37		585			9	185	246	420
50	W		230	49		410	43		590			10	170	212	354
55			235	67		415	41		595						
60			240	80	5	420	41		600						
65			245	68		425	46		605						
70			250	66		430	51		610						
75			255	65		435	53		615						
80			260	64		440	61		620						
85			265	55		445	74		625						
90			270	53		450	88		630						
95			275	52		455	110	3	635						
100			280	49		460	114		640						
105	151		285	46		465	104		645						
110	86		290	54		470	91	2	650						
115	88		295	47		475	51		655						
120	70		300	47		480	47		660						
125	69		305	44		485	45		665						
130	125		310	40		490	40		670						
135	179		315	46		495	71		675						
140	164		320	60		500	60		680						
145	108		325	44		505	143	1	685						
150	77		330	44		510	131		690						
155	160		335	36		515	91		695						
160	165		340	41		520	TD		700						
165	169		345	50		525			705						
170	145	10	350	65		530			710						
175	154		355	66		535			715						
180	192		360	54		540			720						

REMARKS:

Water at 50-60' Dat sample.
Installed 20' 8" PVC surface pipe. 1 hr sig time.

1940

ST-30-L #75

LEASE CPS 157-20

WELL NO.

CONTRACTOR **Gold Berman**

RIG NO. **20**

REPORT NO.

DATE **9-10-84**

19

MORNING

DAYLIGHT

EVENING

DRIILLER				TOTAL MEN IN CREW				DRIILLER				TOTAL MEN IN CREW			
FROM	TO	FORMATION	WT. BIT	RPM	FROM	TO	FORMATION	WT. BIT	RPM	FROM	TO	FORMATION	WT. BIT	RPM	
0	80	Sand			500	540	Sand								
80	230	Shale													
230	480	Sand													
480	500	Shale													

BIT NO.	NO. DC	SIZE	LENG.	BIT NO.	NO. DC	SIZE	LENG.	BIT NO.	NO. DC	SIZE	LENG.

SEL. NO.	STANDS	SINGLES	DOWN ON KELLY	SIZE	TYPE	MAKE	NO. DC	SIZE	LENG.	BIT NO.	NO. DC	SIZE	LENG.

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. VLS.	Time	WT. VLS.	Time	WT. VLS.	Time	WT. VLS.	Time	WT. VLS.	Time	WT. VLS.

FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN

REMARKS - Hit 40 gal min at 60 feet

REMARKS -

REMARKS -

1 hour casing time

SIGNED: Toolpusher *Gary Nelson*

Company Supervisor

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

ANALYSIS NO.: 1-11444
OPERATOR: EL PASO NATURAL GAS
LOCATION: 23-30-7
FIELD: BLANCO
SAMPLED FROM: 50-60 FEET
DATE SAMPLED: SEPTEMBER 10, 1984
TUBING PRESSURE:
SURFACE CASING PRESSURE:

DATE: SEPTEMBER 14, 1984
WELL NAME: SAN JUAN 30-6 #75 C.P.S. 1348
COUNTY SAN JUAN STATE: NEW MEXICO
FORMATION:
SECURED BY: BILL TATUM
CASING PRESSURE:

	SAMPLE SIZE	ml. TIT	AS CaCO ₃	AS TON	ppm
TOTAL ALKALINITY	25	16.4	656		
P ALKALINITY	25	0	0		
BICARBONATE	25	16.4	656	800	13.1
CARBONATE	25	0	0	0	0.0
CHLORIDE	25	3.5		140	3.9
SULFATE				753	15.6
TOTAL HARDNESS	25	11.5	460		
CALCIUM	25	7.7	308	125	6.4
MAGNESIUM	25	3.8	152	37	3.0
IRON					
SODIUM (CALCULATED)				541	23.5
H ₂ S					
HYDROCARBONS					
TOTAL DISSOLVED SOLIDS				1896	
pH				7.5	
SPECIFIC GRAVITY			1.0014 AT 60F		
RESISTIVITY			303 OHM-CM AT 74		
CONDUCTIVITY			3300 MICROMHOS @ 25C		

ALL RESULTS EXPRESSED IN PARTS PER MILLION-TRACE IS LESS THAN 0.1 ppm

CC: R. A. UELRICH
D. C. ADAMS
E. R. PAULEK
W. B. SHROPSHIRE
FILE

Lennie Bird
CHEMIST GCK

