

Oil Reports and Gas Services

P. O. BOX 763

HOBBS, NEW MEXICO 88240

June 26, 1980

RECEIVED

JUN 27 1980

SANTA FE

PHONE NUMBERS
393-2727 - 393-2017

State of New Mexico
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: Gil-Mc Oil Corporation
Lovington No. 2
Sec. 14, T16S, R36E

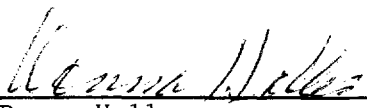
Gentlemen:

Reference is made to Form 108, Application to Dispose of Salt Water by Injection into a Porous Formation, filed on the subject well.

Said application has shown that a 50 sack cement plug will be set at 8100 feet. Please amend this application to show that this 50 sack cement plug will be set at 7700 feet from the surface.

Yours very truly,

OIL REPORTS & GAS SERVICES, INC.


Donna Holler

DH/ra

cc: Gil-Mc Oil Corporation
P. O. Box 1865
Lovington, New Mexico 88260

NEW MEXICO OIL CONSERVATION COMMISSION
APPLICATION TO DISPOSE OF SALT WATER BY INJECTION INTO A POROUS FORMATION

RECEIVED

JUN 13 1980

OPERATOR Gil-Mc Oil Corporation		ADDRESS OIL CONSERVATION DIVISION P. O. Box 763, Hobbs, New Mexico 88240	
LEASE NAME Lovington	WELL NO. 2	FIELD Wildcat	COUNTY Lea
LOCATION			
UNIT LETTER P ; WELL IS LOCATED 660 FEET FROM THE South LINE AND 660 FEET FROM THE East LINE, SECTION 14 TOWNSHIP 16 S RANGE 36 E NMPM.			

CASING AND TUBING DATA					
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING	13 3/8	353	375	Circ.	OCD Records
INTERMEDIATE					
LONG STRING	8 5/8	4829	3250	Circ.	OCD Records
TUBING	2 3/8	4800	NAME, MODEL AND DEPTH OF TUBING PACKER Arrow Tension set @ 4800		
NAME OF PROPOSED INJECTION FORMATION Glorieta			TOP OF FORMATION 6230		BOTTOM OF FORMATION 7700
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? Tubing		PERFORATIONS OR OPEN HOLE? Open Hole		PROPOSED INTERVAL(S) OF INJECTION 6230 - 7700	
IS THIS A NEW WELL DRILLED FOR DISPOSAL? No		IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? Exploratory			HAS WELL EVER BEEN PERFORATED IN ANY ZONE OTHER THAN THE PROPOSED INJECTION ZONE? No
LIST ALL SUCH PERFORATED INTERVALS AND SACKS OF CEMENT USED TO SEAL OFF OR SQUEEZE EACH None					
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA 250'		DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA None		DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA None	
ANTICIPATED DAILY INJECTION VOLUME (BBLs.) 4,000	MINIMUM 4,000	MAXIMUM 6,000	OPEN OR CLOSED TYPE SYSTEM Open	IS INJECTION TO BE BY GRAVITY OR PRESSURE? Gravity	APPROX. PRESSURE (PSIG) None
ANSWER YES OR NO WHETHER THE FOLLOWING WATERS ARE MINERALIZED TO SUCH A DEGREE AS TO BE UNFIT FOR DOMESTIC, STOCK, IRRIGATION, OR OTHER GENERAL USE —			WATER TO BE DISPOSED OF Yes	NATURAL WATER IN DISPOSAL ZONE Unknown	ARE WATER ANALYSES ATTACHED? No
NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND) Shelby H. Gilmore, P. O. Box 1865, Lovington, New Mexico 88260					
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL None					
HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING?		SURFACE OWNER Yes		EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL None	
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B)		PLAT OF AREA Yes		ELECTRICAL LOG Yes	DIAGRAMMATIC SKETCH OF WELL Yes

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Danna Hobbs
(Signature)

Agent

(Title)

June 10, 1980

(Date)

NOTE: Should waivers from the surface owner and all operators within one-half mile of the proposed injection well not accompany this application, the New Mexico Oil Conservation Commission will hold the application for a period of 15 days from the date of receipt by the Commission's Santa Fe office. If, at the end of the 15-day waiting period no protest has been received by the Santa Fe office, the application will be processed. If a protest is received, the application will be set for hearing, if the applicant so requests. SEE RULE 701.

R35E

36

31

32

33

R36E

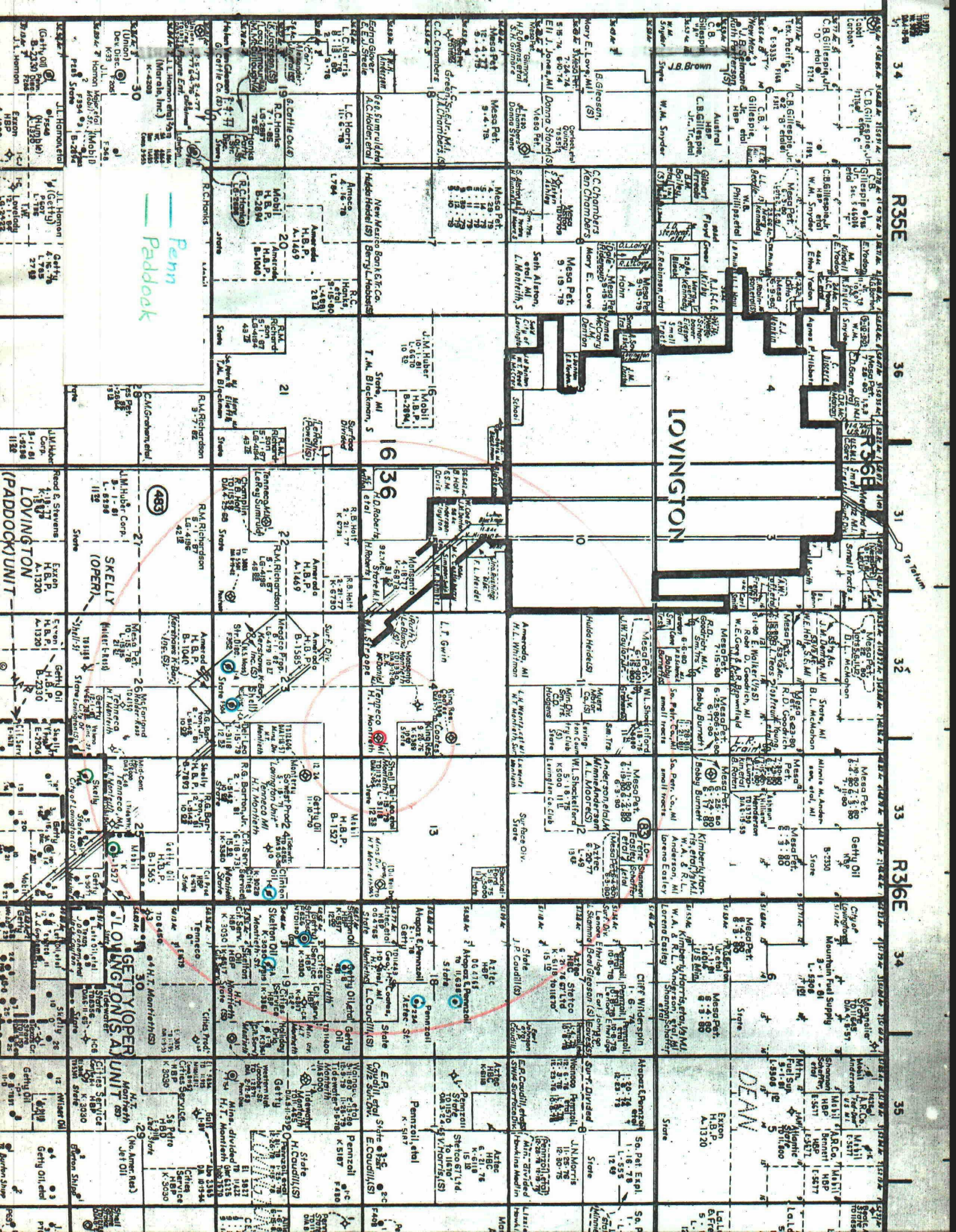
34

35

LOVINGTON

DEAN

Penn
Paddock



Top San Andres 4790

13 3/8" @ 353 w/375 sx

2 3/8" plastic lined tubing

Arrow tension packer @ 4800

8 5/8" @ 4829 w/3250 sx

Top Glorieta 6230

50 sack plug @ 8100

Top Abo 8225

5 1/2" cut & pulled from 9614
50 sx plug 9650 to 10,290

Top Wolfcamp 9753

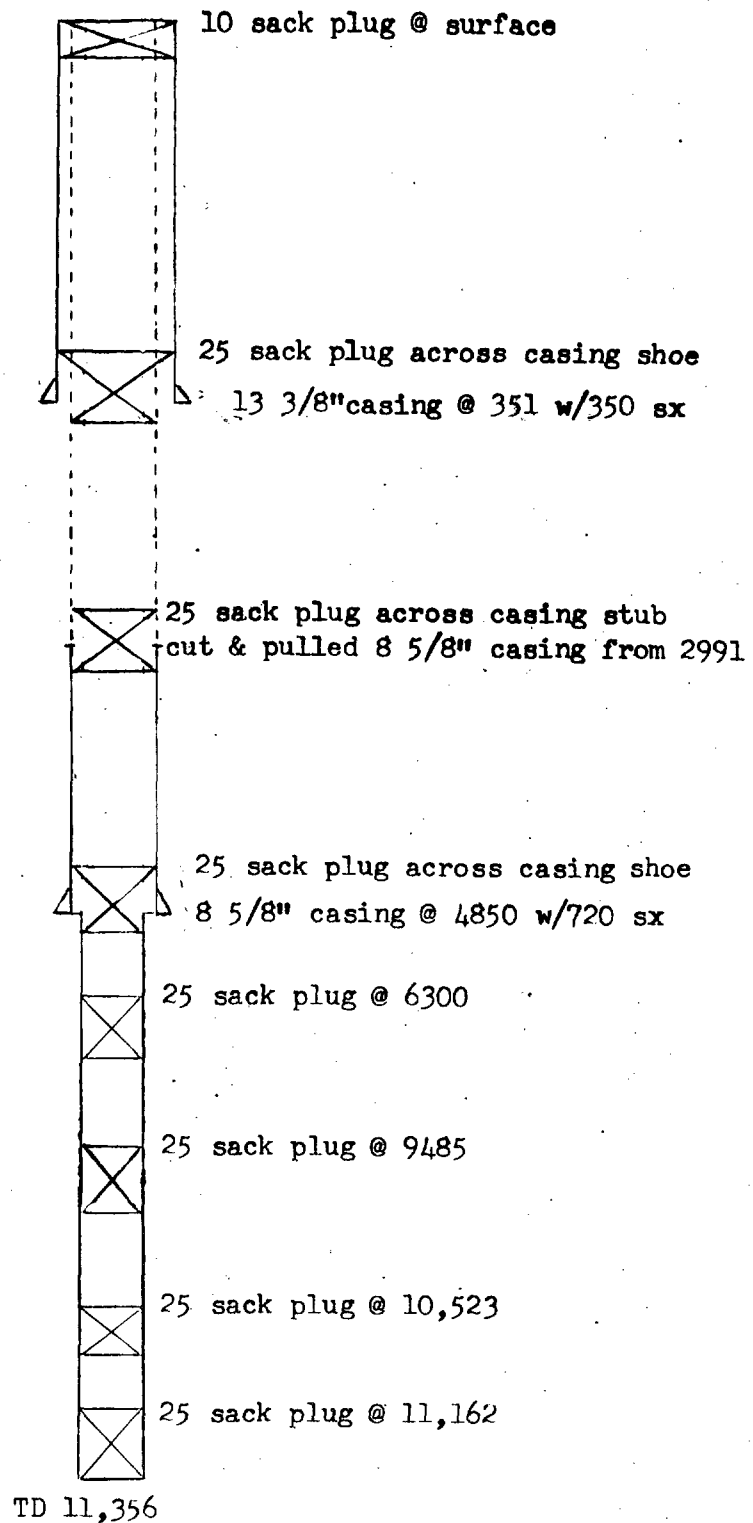
5 1/2" @ 10,610 w/200 sx

Gil-Mc Oil Corporation
Lovington No. 2
660' FSL & 660' FEL
Sec. 14, T16S, R36E
Proposed Water Injection

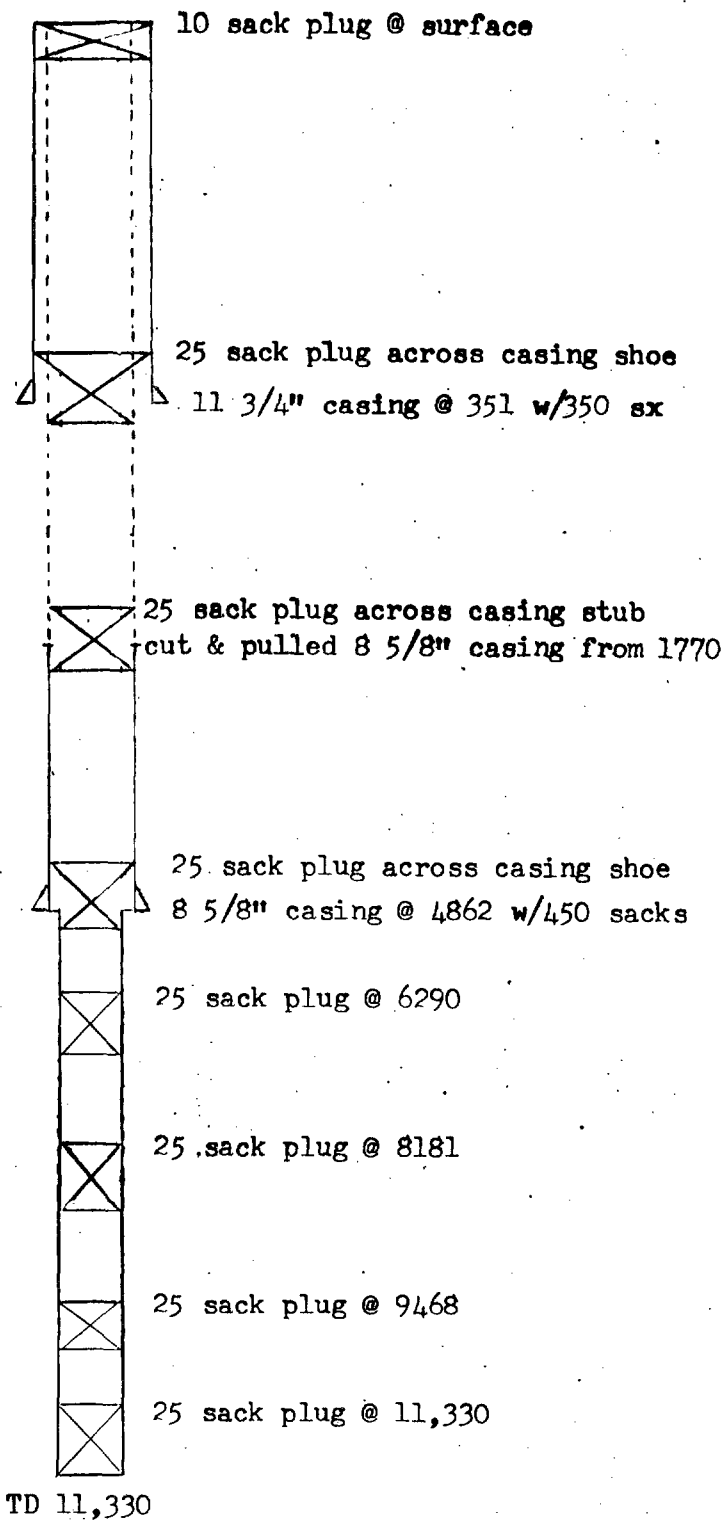
TD 11,226

Tabular Summary
 All Wells Within 1/2 Mile Of
 Gil-Mc Oil Corporation - Lovington No. 2
 Unit P, Sec 14, T16S, R36E

Operator	King Resources Co.	Monsanto Co.
Lease & Well No.	Coats #1	Montieth #1
S-T-R	Sec. 14, T16S, R36E	Sec. 14, T16S, R36E
Footage Location	1980' FNL & 660' FEL	1980' FSL & 1980' FEL
Surface Casing	13 3/8" @ 351'	11 3/4" @ 351'
Sacks Cement	350 sacks	350 sacks
Top Cement	Circulated	Circulated
Interm. Casing	8 5/8 @ 4850'	8 5/8 @ 4862'
Sacks Cement	720 sacks	450 sacks
Top Cement	2991'	2550'
Prod. Casing	None	None
Sacks Cement	--	--
Top Cement	--	--
Total Depth	11,356'	11,330'
Prod. Interval	None	None



King Resources company
Coates No. 1
1980' FNL & 660' FEL
Sec. 14, T16S, R36E
P&A 7/21/70



Monsanto Company
 Montieth No. 1
 1980' FSL & 1980' FWL
 Sec. 14, T16S, R36E
 P&A 5/23/69

REPRODUCED BY
West Texas Electrical Log Service
1305 COMMERCE STREET
DALLAS 1, TEXAS

REFERENCE N° W 3983 -B

SCHLUMBERGER WELL SURVEYING CORPORATION		MicroLOGGING®																																																																																																									
COUNTY FIELD or LOCATION WELL COMPANY	Leas Mildcat Montieth # 1 Shell Oil Co.	COMPANY SHELL OIL CO. WELL MONTIETH # 1 FIELD MILDGAT LOCATION SEC. 14-16S-36E COUNTY LEA STATE NEW MEXICO	Location of Well 660' F S&E L Sec. 14-16S-36E ML (ES 56) Elevation: D.T.: 3876 K.B.: or G.L.: FILING No.																																																																																																								
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SCHLUMBERGER WELL SURVEYING CORPORATION



MICROLOGGING®

Lea COUNTY FIELD or LOCATION WELL COMPANY	COMPANY	SHELL OIL CO.	Location of Well	660' f S&E L Sec. 14-16S-36E
	WELL	MONTIETH # 1		
	FIELD	WILDCAT	HL (ES 56)	
	LOCATION	SEC. 14-16S-36E	Elevation: D.T.: 3876 K.B.: or G.L.:	
	COUNTY	LEA	FILING No.	
	STATE	NEW MEXICO		

RUN No.	1	2	3				
Date	7-8-53	7-30-53	8-14-53				
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Depth Reached	9251	10553	11213				
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Depth Datum	KE 11.0' abv. GL						
Mud Nat.	Gaus-Soda Gel - Chem.						
Density	9.2	9.3	9.1				
Viscosity	4.2	4.6	5.5				
Resist.	50 @ 75 F. 78 @ 83 F. 100 @ 78 F.						
Res. BHT	34 @ 114 F. 42 @ 156 F. 48 @ 162 F.						
pH	8.5 @						
Wtr. Loss	9.3 CC 30 min.	11.2 CC 30 min.	10.2 CC 30 min.				
Max. Temp.	114	156	162				
Bit Size	7 7/8"	7 7/8"	7 7/8"				
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Micro Inverse	1"	1"	1"				
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Oper. Rig Time	2 Hrs.	1 1/2 Hrs.	2 Hrs.				
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Recorded By							
Witness By							

REMARKS

THIS IS NOT A COMPLETE REPRODUCTION OF
 THE ORIGINAL THREE-TRACK SCHLUMBERGER LOG.

SPONTANEOUS-POTENTIAL millivolts	DEPTH S' / 100	RESISTIVITY -ohr.s. m ² /m
20 Run 1 & 2: 15 Run 3:		Run 1 & 2: 0 Micro Inverse 1" x 1" 0 0 Micro Normal 2"