

J. M. HUBER CORPORATION

OIL AND GAS DIVISION
1900 WILCO BUILDING
MIDLAND, TEXAS 79701

MIDLAND DISTRICT OFFICE

August 29, 1980

TELEPHONE
915-682-3794

Union Oil of California
Box 3100
Midland, Texas 79701

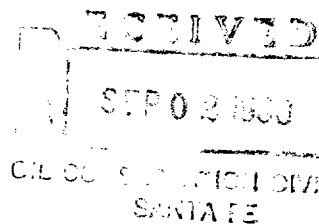
RE: J. M. Huber Corporation
Stoltz State SWD No. 1
554' FS&WL, Sec. 6, T-15S, R-35E
Lea County, New Mexico

Gentlemen:

J. M. Huber Corporation is making application to the New Mexico Oil Conservation Commission for salt water disposal into the captioned well. We are proposing to inject produced salt water from the area into the Morton San Andres and Glorietta pays through perforated intervals 4660' - 6406'. Attached please find Form C-108 diagrametric sketch of proposed well, and Waiver of Objection. If you have no objection to this application, would you please sign and return two copies of the waiver to this address, retaining one copy for your files.

Your cooperation will be appreciated.

Yours very truly,



J. M. HUBER CORPORATION

Robert G. Setzler
Robert G. Setzler
District Production Manager

/jem
Attachments

cc: New Mexico Oil Conservation Commission
P. O. Box 1980
Hobbs, New Mexico 88240

WAIVER OF OBJECTION

Union Oil of California has been notified that J. M. Huber Corporation intends to inject salt water into perforated intervals 4660' - 6406' through tubing in their Stoltz State SWD Well No. 1 well located 554' from South and West Lines of Section 6, T-15S, R-35E, Morton San Andres Field, Lea County, New Mexico. As offset Operator, we waive objection to J. M. Huber Corporation injecting produced salt water as indicated above.

BY _____

DATE _____

NEW MEXICO OIL CONSERVATION COMMISSION

NO. OF COPIES RECEIVED		
DISTRIBUTION		
SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
OPERATOR		

5a. Indicate Type of Lease
State ☒ Fee ☐
5. State Oil & Gas Lease No.
K-2814

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR NOTICES TO ABANDON OR TO PERFORM REMEDIAL WORK ON A DIFFERENT RESERVOIR.
USE THIS FORM FOR REMEDIAL WORK ON THE SAME RESERVOIR AS THE ORIGINAL LEASE.)

1. ☐ OIL WELL ☐ GAS WELL ☐ OTHER Salt Water Disposal
2. Name of Operator
J. M. Huber Corporation
3. Address of Operator
1900 Wilco Building, Midland, Texas
4. Location of Well
UNIT LETTER M 554 FEET FROM THE South LINE AND 554 FEET FROM
THE West LINE, SECTION 6 TOWNSHIP 15S RANGE 35E N.M.P.M.
15. Elevation (Show whether DF, RT, GR, etc.)
4061' DF

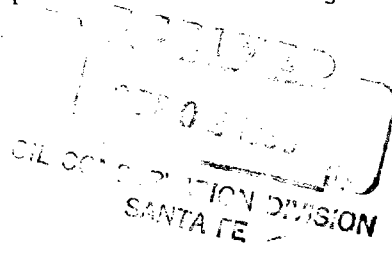
7. Unit Agreement Name
8. Farm or Lease Name
Stoltz State SWD
9. Well No.
1
10. Field and Pool, or Valued
Morton San Andres
12. County
Lea

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☒	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	OTHER ☐	CASING TEST AND CEMENT JOBS ☐	

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

- 1) Run Gamma Ray Correlation Log from 7300'-4300'
- 2) After notifying NMOCC set CIBP @ 10,000' and 6600'. Cap each bridge plug with 10' cement.
- 3) Perforate total of 202 holes from 4660'-6404'.
- 4) After running tubing and treating pkr., acidize injected interval w/16,000 gals. 15% HCL in 6 stages.
- 5) Remove work string and treating pkr. and go in hole w/Baker 4½" Lock-Set PCID pkr. and 2-3/8" PCID tbg. Set pkr. at 4550' after spotting inhibited casing fluid in 4½" casing annulus.
- 6) Install wellhead, place well on injection.



18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.
SIGNED: Robert G. Setzler TITLE: District Production Mgr. DATE: 8/28/80
APPROVED BY: TITLE: DATE:
CONDITIONS OF APPROVAL, IF ANY:

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

OPERATOR J. M. Huber Corporation		ADDRESS 1900 Wilco Building, Midland, TX. 79701	
LEASE NAME Stoltz State SWD	WELL NO. 1	FIELD Morton San Andres	COUNTY Lea
LOCATION UNIT LETTER <u>M</u> ; WELL IS LOCATED <u>554</u> FEET FROM THE <u>South</u> LINE AND <u>554</u> FEET FROM THE <u>West</u> LINE, SECTION <u>6</u> TOWNSHIP <u>15S</u> RANGE <u>35E</u> NMPM.			

CASING AND TUBING DATA					
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING	13-3/8"	385'	275 sks.	Circulated	Circulated
INTERMEDIATE	8-5/8"	4525'	200 sks.	3600'	Temperature Surv.
LONG STRING	4-1/2"	10,450'	250 sks.	9690'	Temperature Surv.
TUBING	2-3/8"	4550'	NAME, MODEL AND DEPTH OF TUBING PACKER Baker 4 1/2" Lock-Set PCID pkr. @ 4550'		
NAME OF PROPOSED INJECTION FORMATION San Andres and Glorietta			TOP OF FORMATION 4660'	BOTTOM OF FORMATION 6404'	
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? Tubing		PERFORATIONS OR OPEN HOLE? Perforations	PROPOSED INTERVAL(S) OF INJECTION 4660'-6404'		
IS THIS A NEW WELL DRILLED FOR DISPOSAL? No	IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? Oil			HAS WELL EVER BEEN PERFORATED IN ANY ZONE OTHER THAN THE PROPOSED INJECTION ZONE? Yes	
LIST ALL SUCH PERFORATED INTERVALS AND SACKS OF CEMENT USED TO SEAL OFF OR SQUEEZE EACH 10,358'-69', 10,373'-76', 10,414'-19' Bridge plug set @ 10,000' & 6600' & capped w/10' cement					
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA 375'		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.) 550	MINIMUM 1500	MAXIMUM 1500	OPEN OR CLOSED TYPE SYSTEM Closed	IS INJECTION TO BE BY GRAVITY OR PRESSURE? Pressure	APPROX. PRESSURE (PSI) 400
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 - Yes			WATER TO BE DISPOSED OF Yes	NATURAL WATER IN DISPOSAL ZONE Yes	ARE WATER ANALYSES ATTACHED? Wolfcamp-Yes San Andres-No
NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND) Mary H. Stansell, Lovington, New Mexico 88260					
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL Union Oil of California, P. O. Box 3100, Midland, Texas 79701					
HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING? Yes		SURFACE OWNER Yes		EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL Yes	
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B) Yes		PLAT OF AREA Yes		ELECTRICAL LOG Yes	
				THE NEW MEXICO STATE ENGINEER 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.

District Production Manager

8/29/80

(Signature)

(Title)

(Date)

NOTE: Should waivers from the State Engineer, 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.

2-A Wells in 2-A Area

WELL NAME AND LOCATION	SURFACE CASING		INTERMEDIATE CASING		PRODUCTION CSG.		TOTAL DEPTH	PERFORATIONS
	SKS.	CMT. & CMT. TOP	SKS.	CMT. & CMT. TOP	SKS.	CMT. & CMT. TOP		
Texas Crude Oil Company Pan American State "A" #1-6 Sec. 6, T-15S, R-35E Lea County, New Mexico	11-3/4" 300 sks. Circulated	8-5/8" 350 sks. 3173'	O.H.	10,425	NA			
Union Oil Co. of California State "7" Com #1 Sec. 7, T-15S, R-35E Lea County, New Mexico	11-3/4" 525 sks. Circulated	8-5/8" 500 sks. 2659'	5-1/2" 400 sks. 8392'		10,383-10,39			
Union Oil Co. of California Stansell "7" No. 1 Sec. 7, T-15S, R-35E Lea County, New Mexico	11-3/4" 325 sks. Circulated	8-5/8" 500 sks. 2446'	O.H.	10,700'	NA			
Gulf Oil Corporation Featherstone Federal #1 Sec. 12, T-15S, R-34E Lea County, New Mexico	13-3/8" 375 sks. Circulated	8-5/8" 460 sks. 2786'	5-1/2" 440 sks. 8110'	10,372'	10,337-370'			
Union Oil Co. of California Gulf Federal No. 1 Sec. 12, T-15S, R-35E Lea County, New Mexico	11-3/4" 300 sks. Circulated	8-5/8" 500 sks. 2653'	5-1/2" 400 sks. 8395'	10,703'	10,338-349'			

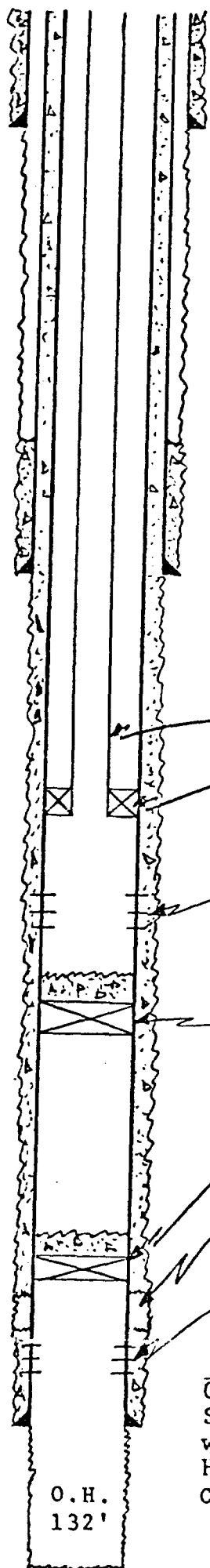
[illegible]

DATE 9/8/80HUBER W.I. 75%
DEAL NO. 14-N-66A
PROPERTY NO. 14P7819

WELL DATA SHEET

Lease Stoltz State SWDWell No. 1Location 554' FS&WL, Sec. 6, T-15S, County Lea State N. M.

R-35E

K.B. Elev. 4062'G.L. Elev. 4051'D.F. Elev. 4061'Date Completed 5/30/66Formation(s) Lower Wolfcamp

13-3/8 " 54 #

Gr. J55 Thd. ST&C

Set @ 385'

w/ 275 Sks.

Hole Size 17"

Cement Circulated

Intermediate String

Top Cement @ 3600'

8-5/8 " 32&34 #

Gr. J55 Thd. ST&C

Set @ 4525'

w/ 200 Sks.

Hole Size 12 1/4"

146 jts. 2-3/8" 4.75#, J-55
EUE 8 Rnd. PCID Tbg. @ 4502'Baker Lok-Set pkr. @ 4506'
Set in 10,000# tensionPerfs: 4660'-6404'
Total 186 holes O.A.CIBP @ 6610' w/10' cmt.
on top

CIBP @ 10,000' w/10' cmt. on top

No cmt. 9350'-9680' by Bond Log
Good Cement Bond 9680' to surface by log

Old perfs. 10,220' to 10,419'

4 1/2 " 11.6&10.5#

Gr. J55 Thd. ST&C & LT&C

Set @ 10,450'

w/ 250 Sks.

Hole Size 7-7/8"

Cement Circulated to surface

O.H.
132'

Workovers: 9/5/80 McCullough set
CIBP at 10,000' & 6610'; also
reperforated 1 JSPF as follows:
6398'-6404', 6175'-6205', 6073'-
92', 5980'-95', 5633'-45', 5585'-
92', 5383'-90', 5160'-70', 5053'-
60', 5048'-50', 4863'-69', 4725'-
38', 4710'-20', 4702'-05', 4678'-
82', 4660'-75', total 186 holes
O.A.

Western acidized w/16,000 gals.
max. psi 4900#, min. 2800 psi,
avg. 4500 psi, ISIP 3050#, 15 min.
2950#, bled well off. Avg. inj.
rate 3 1/2 BWPD @ 1500 psi.

Plug Back Total Depth 6,600'
Total Depth 10,582'
Well Name Stoltz State SWD #1

R. R. Sumner 9/8/80

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
PERMIT IN TRIPlicate (Other Instructions on
reverse side)

Budget Bureau No. 42 R1424

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.

NM-015072

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Gulf Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Morton Wolfcamp

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Section 12

Twp. 15-S, Rge. 34-E

12. COUNTY OR PARISH 13. STATE

Lea

New Mexico

1. OIL WELL ☒ GAS WELL ☐ OTHER

2. NAME OF OPERATOR

Union Oil Company of California

3. ADDRESS OF OPERATOR

P.O. Box 671 - Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

HOLDS, NEW MEXICO

1980' FNL and 660' FEL of Section 12

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4072' DF 4054' GR

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

N.M.O.C.C. Memorandum 9-13-74

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

X

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent
to this work.) *Status: Wolfcamp formation plugged off. Last produced January, 1972.
Permit for temporary abandonment expires December 1, 1975.

Reason: Well is watered-out in Wolfcamp.

Future Plans: Well retains potential for salt water disposal in the San Andres. Request
extension of temporary abandonment permit for an additional year.T₁ Cmt.L₁ Cmt.L₁ 11³/₄

376.15

300

L₂ 8⁵/₈

4620.52

500

L₃ 5¹/₂This approval of temporary
abandonment expires

DEC 1 1976

10,702.54

400

18. I hereby certify that the foregoing is true and correct

SIGNED

John Tyler

TITLE

District Production Supt.

DATE

October 2, 1975

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

APPROVED

This is the last rpt filed
and does not show to be
F.A.

*See Instructions on Reverse Side

OCT 9 1975
JIM SIMS
DISTRICT ENGINEER

DATE 9/16/80

WELL DATA SHEET

Lease Union Oil Co. of California-Gulf Federal Well No. 1
Location 1980' FNL & 660' FEL County Lea State New Mexico

K.B. Elev. _____
G.L. Elev. _____
D.F. Elev. 4072'

Date Completed 12/31/64
Formation(s) Lower Wolfcamp

11-3/4" Set @ 376'
w/300 sks. Cement Circulated

TP&A Approved 10/9/75
No other report on file at
NMOCC Office in Hobbs.

8-5/8" Set at 4620'
w/500 sks. Cement top
calculated @ 2653'
Hole Size 11"

← Must be plugged
currently TP&A?

5 1/2" Set @ 10,703'
w/400 sks. Cement top
calculated @ 8395'
Hole Size 7-7/8"

Plug Back Total Depth _____
Total Depth 10,703'
Well Name Gulf Federal #1

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

3a. Indicate Type of Lease

State ☒ Fee ☐

5. State Oil & Gas Lease No.

K-2543

SUNDRY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.

OIL WELL ☒ GAS WELL ☐ OTHER ☐

Name of Operator
Union Oil Company of California

Address of Operator
P.O. Box 671 - Midland, Texas 79701

Location of Well

UNIT LETTER D 660 FEET FROM THE North LINE AND 660 FEET FROM
THE West LINE, SECTION 7 TOWNSHIP 15-S RANGE 35-E N.M.P.M.

7. Unit Agreement Name

8. Farm or Lease Name
State "7" Com

9. Well No.

1

10. Field and Pool, or Vicinity
Morton Wolfcamp

11. Elevation (Show whether DF, RT, GR, etc.)

4066' DF

12. County

Lea

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐
PULL OR ALTER CASING ☐
OTHER ☐

PLUG AND ABANDON ☐
CHANGE PLANS ☐
OTHER ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐
COMMENCE DRILLING OPNS. ☐
CASING TEST AND CEMENT JOBS ☐
OTHER ☐
ALTERING CASING ☐
PLUG AND ABANDONMENT ☒

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Set CIBP at 10300' with 36' cement plug on top, 10300 - 10264'.
Cut & pull 4620' 5 1/2" casing & set 50 sx cement plug 4620 - 4476'.
Cut & pull 1496' 8-5/8" casing & set 75 sx cement plug 1500 - 1383'.
Set 75sx cement plug 368 - 233'.
Set 20 sx cement plug 36' - surface.
Welded on steel plate and installed dry hole marker.
Well plugged and abandoned 12-23-72.

	Top Int.	Sh. Int.
5 1/2"	10,700'	400
8-5/8"	4626'	500
11 3/4"	362'	525

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

John W. Runyan

TITLE District Drilling Supt.

DATE Dec. 26, 1972

APPROVED BY *John W. Runyan*

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

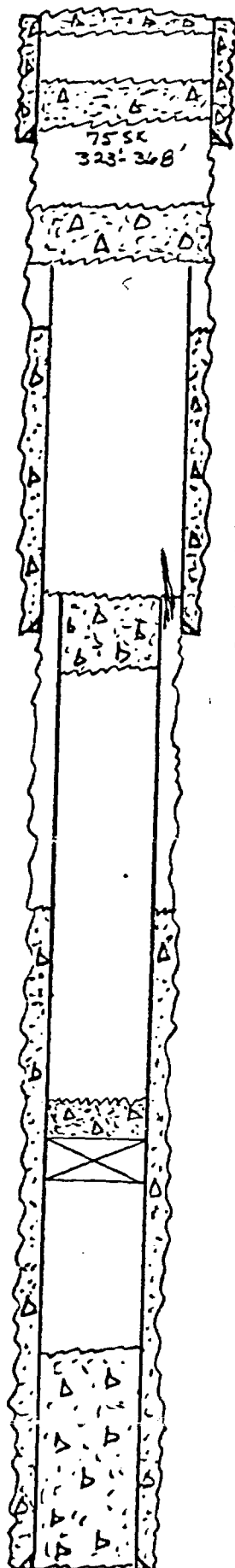
DATE 9/16/80

WELL DATA SHEET

Lease Union Oil Co. of California-State "7" Com Well No. 1
Location 660' FNL & FWL, Sec. 7, T-15S County Lea State New Mexico
R-35E

K.B. Elev. _____
G.L. Elev. _____
D.F. Elev. 4055'

Date Completed 10/31/64
Formation(s) _____



36' to surface, 20 sk

11-3/4" Set @ 352'
Cement Circulated

Top 8-5/8" csg.
@ 1496' Cement
plug 1500'-1383'

8-5/8" Set @ 4626'
Cemented & pulled @ 1496'
w/500 sks. Cement top @ 2659'
Hole Size 11"

Plug 4620'-4476' Top 5 1/2"
csg. @ 4620'

*Questionable - does plug exist above
4620' cut off depth?*

CIBP @ 10,300' w/36'
cement on top

PBTD 10,618'

5 1/2" 10,700'
Cut and pulled @ 4620'
w/400 sks. Cement top
calculated @ 8392'
Hole Size 7-7/8"

Plug Back Total Depth 10,618'
Total Depth 10,700'
Well Name State "7" Com #1

AGS

P. O. BOX 1468
MONAHANS, TEXAS 79786
PHONE 943-3234 OR 863-1040

Martin Water Laboratories, Inc

709 W. INDIANA
MIDLAND, TEXAS 79701
PHONE 683-4521

RESULT OF WATER ANALYSES

TO: Mr. Mark Wheeler LABORATORY NO. 780160
1900 Wilco Building, Midland, Texas SAMPLE RECEIVED 7-9-80
RESULTS REPORTED 7-16-80

COMPANY J.M. Huber Corp. LEASE Stoltz State SWD

FIELD OR POOL _____
SECTION _____ BLOCK _____ SURVEY _____ COUNTY Lea STATE New Mexico

SOURCE OF SAMPLE AND DATE TAKEN:

NO. 1 Backflow water - 40 barrels out of tubing. 7-8-80
NO. 2 Backflow water - 140 barrels out of tubing. 7-8-80
NO. 3 Backflow water - 260 barrels out of tubing. 7-8-80
NO. 4 _____

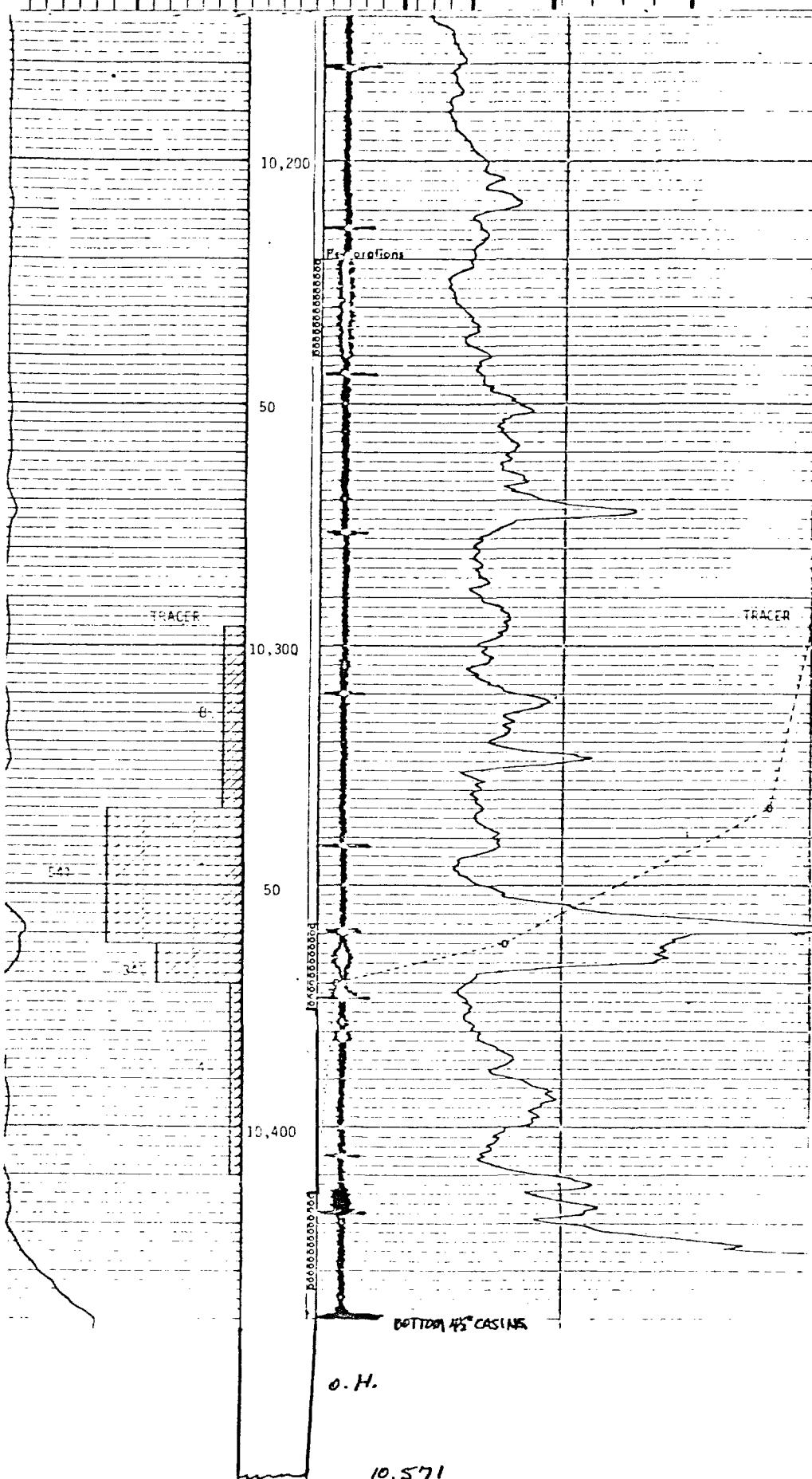
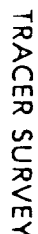
REMARKS:

CHEMICAL AND PHYSICAL PROPERTIES				
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0256	1.0260	1.0272	
pH When Sampled				
pH When Received	7.1	7.0	7.0	
Bicarbonate as HCO ₃	1,342	1,465	1,440	
Supersaturation as CaCO ₃	180	200	200	
Undersaturation as CaCO ₃	-	-	-	
Total Hardness as CaCO ₃	3,300	3,800	4,000	
Calcium as Ca	900	1,060	1,160	
Magnesium as Mg	255	279	267	
Sodium and/or Potassium	11,703	12,507	12,719	
Sulfate as SO ₄	3,468	3,366	3,366	
Chloride as Cl	17,045	18,642	18,820	
Iron as Fe	312	6.9	2.3	
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	34,713	37,319	37,772	
Temperature °F.				
Carbon Dioxide, Calculated				
Dissolved Oxygen, Winkler				
Hydrogen Sulfide	875	500	438	
Resistivity, ohms/m at 77° F.	0.227	0.213	0.211	
Suspended Oil				
Filtrable Solids as mg/l	309			
Volume Filtered, ml	290			

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks The above analyses reveal only a mild presence of spent acid in the 40 barrels out of the tubing as revealed by the iron content, but there is no evidence of any limestone or dolomite being dissolved in this water. The other two samples show no conclusive evidence of any acid though there could be a minute amount present and not be reflected due to the fact that it would be spent. However, the low calcium and magnesium indicate this is clearly insignificant if it is present at all. The filtrable solids in the 40 barrels sample indicated most of the suspension in the water was paraffin.

[illegible]



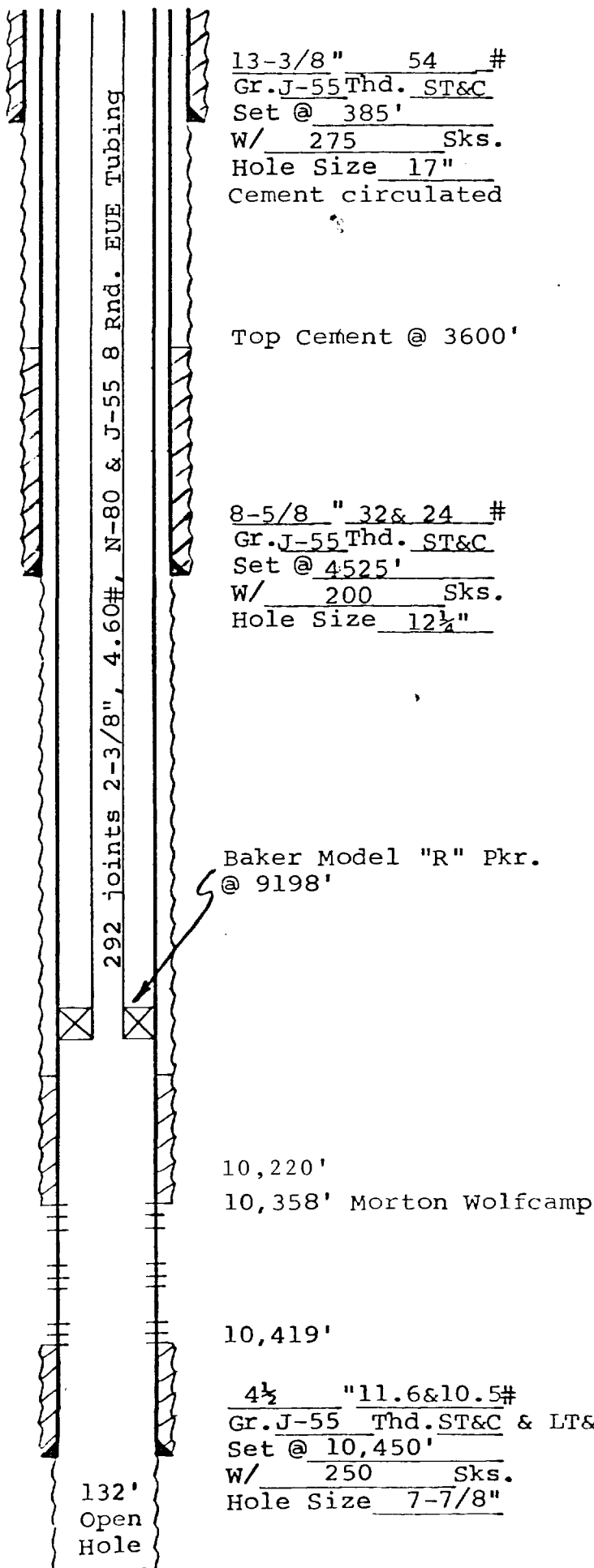
CURRENT
WELL DATA SHEET

Lease Stoltz State SWD Well No. 1

Location 554' FS&WL Section 6, T15S-R35E County Lea State New Mexico

K.B. Elev. 4062'
G.L. Elev. 4051'
D.F. Elev. 4061'

Date Completed 5-30-1966
Formation (s) Lower Wolfcamp



April 13, 1970 well converted to SWD.

May 28, 1973 McCullough reperforated @ 10,358-10,369' (11') 10,373-10,376' (3') 10,414-10,419' (5') 2 holes/ft., 1-9/16" Omega Jet. Rigged up Dowell, pumped 1500 gallons 15% acid w/4 gals A-170 + 25# iron sequestering agent down tubing @ 2000 psi, acid on formation - pressure broke to 1800 psi. Flushed w/45 barrels fresh water. ISDP - Vacuum, maximum pressure 2000 psi, average injection rate 3.8 BPM, final pump in pressure 1800 psi.

January 1, 1975 Western Company acidized w/1000 gallons 15% acid containing 2 gallons LT-5 and 3 gallons AC-2, displaced acid with 26 barrels fresh water. Well on vacuum.

Total Depth 10,582'
Well Name Stoltz State SWD No. 1

Robert G. Setzler
October 18, 1977

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE
(Other instructions on
reverse side)Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐		7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR Union Oil Company of California		8. FARM OR LEASE NAME Gulf Federal	
3. ADDRESS OF OPERATOR P.O. Box 671 - Midland, Texas 79701		9. WELL NO. 1	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1980' FNL and 660' FEL of Section 12		10. FIELD AND POOL, OR WILDCAT Morton Wolfcamp	
14. PERMIT NO.		15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4072' DF 4054' GR	
		12. COUNTY OR PARISH Lea	
		13. STATE New Mexico	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐
REPAIR WELL	☐	CHANGE PLANS	☐
(Other)	☐		

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
(Other)	☒	N.M.O.C.C. Memorandum 9-13-74	X

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Status: Wolfcamp formation plugged off. Last produced January, 1972.
Permit for temporary abandonment expires December 1, 1975.

Reason: Well is watered-out in Wolfcamp.

Future Plans: Well retains potential for salt water disposal in the San Andres. Request extension of temporary abandonment permit for an additional year.

Surf. 11 3/4	Top Int. 376.15	400
Int. 8 5/8	4620.52	500
Long Int. 5 1/2	10,702.54	400

This approval of temporary abandonment expires DEC 1 1976

18. I hereby certify that the foregoing is true and correct

SIGNED

John Tyler

TITLE District Production Supt.

DATE October 2, 1975

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED

*See Instructions on Reverse Side

OCT 9 1975

JIM SIMS
DISTRICT ENGINEER

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPPLICATE
(Other Instructions
reverse side)Form approved
Budget Bureau No. 42-R1424

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐	5. LEASE DESIGNATION AND SERIAL NO. NM-015072
2. NAME OF OPERATOR Gulf Oil Corporation	6. IF INDIAN ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Box 670, Hobbs, New Mexico 88240	7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface	8. FARM OR LEASE NAME Featherstone Federal
	9. WELL NO. 1
	10. FIELD AND ZONE, OR WILDLAND Morton Wolfcamp
	11. SEC., TWP., R., OR BLK. AND SUEVEY OR AREA Sec 12, 15-S, 34-E
14. PERMIT NO.	12. COUNTY OR PARISH, STATE Lea New Mexico
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4055' OL	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT	
TEST WATER SHUT-OFF ☐	PULL OR ALTER CASING ☐	WATER SHUT-OFF ☐	REPAIRING WELL ☐
FRACTURE TREAT ☐	MULTIPLE COMPLETE ☐	FRACTURE TREATMENT ☐	ALTERING CASING ☐
SHOOT OR ACIDIZE ☐	ABANDON* ☐	SHOOTING OR ACIDIZING ☐	ABANDONMENT ☐
REPAIR WELL ☐	CHANGE PLANS ☐	(Other) ☐	(Other) ☐
(Other) ☐		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting and proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and pertinent to this work.)

10,372' TD.

Pulled rods and pump. Pumped 350 barrels of mud down tubing. Could not load hole. Set Baker CI BP at 9520'. Dumped one sack of cement on top of BP. Loaded hole with 200 barrels of mud. Cut 5-1/2" casing at 8028' and pulled casing. Spotted 25 sack cement plug from 8150' to 8038', across 5-1/2" casing stub at 8028'. Spotted 30 sack cement plug from 8650' to 8550'. Shot 8-5/8" casing at 677' and pulled casing. Spotted 50 sack cement plug from 727' to 627', across 8-5/8" casing stub at 677'. Spotted 75 sack cement plug from 400' to 300' and 44 sack cement plug from 50' to surface. Installed dry hole marker and cleaned location. Plugged and abandoned March 6, 1969.

5 1/2"	Top Int.	Sh. Cmt.
6 7/8"	10,449	440
	4596	460
13 3/8"	351'	375'

APPROVED

OCT 14 1969

J L GORDON

18. I hereby certify that the foregoing is true and correct

ACTING DISTRICT ENGINEER

SIGNED ORIGINAL SIGNED BY
G. D. BORLAND

TITLE Area Production Manager

DATE March 6, 1969

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

APPROVED

MAR 1969

*See Instructions on Reverse Side

J L GORDON
ACTING DISTRICT ENGINEER

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

AUG 4 12 00 PM '65

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease State ☐ Fee ☒
5. State Oil & Gas Lease No. -
7. Unit Agreement Name -
8. Farm or Lease Name Stansell 7
9. Well No. 1
10. Field and Pool, or Wildcat Undesignated
12. County Lea

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL ☐ GAS WELL ☐ OTHER- Dry Hole
2. Name of Operator Union Oil Company of California
3. Address of Operator 619 West Texas Avenue, Midland, Texas
4. Location of Well UNIT LETTER B 810 FEET FROM THE North LINE AND 1980 FEET FROM THE East LINE, SECTION 7 TOWNSHIP 15S RANGE 35E N.M.P.M.
15. Elevation (Show whether DF, RT, GR, etc.) 4048' D.F.

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK ☐ TEMPORARILY ABANDON ☐ PULL OR ALTER CASING ☐ OTHER ☐	SUBSEQUENT REPORT OF: PLUG AND ABANDON ☐ CHANGE PLANS ☐ OTHER ☐	REMEDIAL WORK ☐ COMMENCE DRILLING OPNS. ☐ CASING TEST AND CEMENT JOB ☐ OTHER ☐	ALTERING CASING ☐ PLUG AND ABANDONMENT ☒
---	--	--	---

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Bottom hole plugs reported on Form C-103 filed 7-12-65.

8-5/8" casing cut and pulled from 1202'. Total recovered: 1196.86'.

Cement plugs set as follows: 25 sx. 1225-1179'
30 sx. 377-328'
10 sx. 16' to surface

Plate welded on 11-3/4" casing and abandonment marker installed.

Well plugged and abandoned July 31, 1965.

Because of heavy rains, location is not yet ready for inspection.

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

SIGNED <u>C. S. D. Dyer</u>	TITLE <u>Production Clerk</u>	DATE <u>August 2, 1965</u>
APPROVED BY <u>John W. Kinsman</u>	TITLE _____	DATE _____
CONDITIONS OF APPROVAL, IF ANY:		

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

JUL 12 8 32 AM '65

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease	
State ☐	Fee ☒
5. State Oil & Gas Lease No.	
--	

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL ☐ GAS WELL ☐ OTHER- Dry Hole
2. Name of Operator UNION OIL COMPANY OF CALIFORNIA
3. Address of Operator 619 West Texas Avenue, Midland, Texas
4. Location of Well UNIT LETTER B 810 FEET FROM THE North LINE AND 1980 FEET FROM THE East LINE, SECTION 7 TOWNSHIP 15 S RANGE 35 E NMPM.
15. Elevation (Show whether DF, RT, GR, etc.) 4036.5 GR

7. Unit Agreement Name --
8. Farm or Lease Name Stansell 7
9. Well No. 1
10. Field and Pool, or Wildcat Undesignated
12. County Lea

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☒	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	OTHER ☐	CASING TEST AND CEMENT JOB ☐	OTHER ☐

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

TD -- 10700'

Verbal permission to plug obtained from Mr. Joe Ramey 6-29-65.

The following plugs were set 6-30-65: 50 sx. 10600-10418', 25 sx. 8102-8011', 25 sx. 7400-7309', 25 sx. 6235-6144', 25 sx. 4650-4559'.

Completion of plugging operations pending recovery of portion of 8-5/8" casing.

Proposed subsequent plugs:

- 25 sx. at cut-off on 8-5/8" casing
- 25 sx. across shoe of 11-3/4" casing at 257'
- 10 sx. at surface

8-5/8"	Top Ind.	Sho. Cont.
	4625	500
11-3/4"	25192'	325

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

SIGNED <u>C. V. Dixon</u>	TITLE <u>Production Clerk</u>	DATE <u>July 9, 1965</u>
APPROVED BY <u>[Signature]</u>	TITLE _____	DATE _____
CONDITIONS OF APPROVAL, IF ANY:		

NO. OF COPIES RECEIVED

DISTRIBUTION

SANTA FE

FILE

U.S.G.S.

LAND OFFICE

OPERATOR

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease

State ☒Fee ☐

5. State Oil & Gas Lease No.

K-2543

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. ☒ OIL WELL ☐ GAS WELL ☐ OTHER	7. Unit Agreement Name
2. Name of Operator Union Oil Company of California	8. Farm or Lease Name State "7" Com
3. Address of Operator P.O. Box 671 - Midland, Texas 79701	9. Well No. 1
4. Location of Well UNIT LETTER <u>D</u> <u>660</u> FEET FROM THE <u>North</u> LINE AND <u>660</u> FEET FROM THE <u>West</u> LINE, SECTION <u>7</u> TOWNSHIP <u>15-S</u> RANGE <u>35-E</u> N.M.P.M.	10. Field and Pool, or Wildcat Morton Wolfcamp
15. Elevation (Show whether DF, RT, GR, etc.) 4066' DF	12. County Lea

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐PLUG AND ABANDON ☐REMEDIAL WORK ☐ALTERING CASING ☐TEMPORARILY ABANDON ☐CHANGE PLANS ☐COMMENCE DRILLING OPNS. ☐PLUG AND ABANDONMENT ☒PULL OR ALTER CASING ☐OTHER ☐CASING TEST AND CEMENT JOB ☐OTHER ☐

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Set CIBP at 10300' with 36' cement plug on top, 10300 - 10264'.
Cut & pull 4620' 5 1/2" casing & set 50 sx cement plug 4620 - 4476'.
Cut & pull 1496' 8-5/8" casing & set 75 sx cement plug 1500 - 1383'.
Set 75sx cement plug 368 - 233'.
Set 20 sx cement plug 36' - surface.
Welded on steel plate and installed dry hole marker.
Well plugged and abandoned 12-23-72.

Est.	Total Cost	Est. Cost
5 1/2	10,700	400
8-5/8	4,626	500
11 3/4	3,521	525

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

SIGNED John W. Runyan

TITLE District Drilling Supt.

DATE Dec. 26, 1972

APPROVED BY John W. Runyan

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-103

(Rev. 3-55)

MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1100) MAY '66

Name of Company Texas Crude Oil Company		Address 205 V & J Tower, Midland, Texas			
Lease Pan American State "A"	Well No. 1-6	Unit Letter K	Section 6	Township 15-S	Range 35-E
Date Work Performed Nov. 28, 1964	Pool Undesignated Wildcat	County Lea			

THIS IS A REPORT OF: (Check appropriate block)

- ☐ Beginning Drilling Operations ☐ Casing Test and Cement Job ☐ Other (Explain):
☒ Plugging ☐ Remedial Work

Detailed account of work done, nature and quantity of materials used, and results obtained.

Set 25 sx plug at 10,425' (TD)
Set 25 sx plug at 9400'
Set 25 sx plug at 8050'
Set 25 sx plug at 7400'
Set 25 sx plug at 6200'
Set 25 sx plug at 4600'
Set 25 sx plug at 675' (8-5/8 cut off at 662)
Set 25 sx plug at 340'
Set 10 sx plug at top 11-3/4" surface csg.

SS	TOP CUT	EX CUT
11 3/4"	325'	300
8 5/8"	452'	300

Witnessed by <u>C. O. Bryan</u>	Position Prod. Foreman	Company Texas Crude Oil Company
---------------------------------	----------------------------------	---

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA

D F Elev.	T D	P B T D	Producing Interval	Completion Date
Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth	
Perforated Interval(s)				
Open Hole Interval		Producing Formation(s)		

RESULTS OF WORKOVER

Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover						
After Workover						

OIL CONSERVATION COMMISSION

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

Approved by <u>[Signature]</u>	Name <u>J. H. Larson</u>
Title <u>Production Superintendent</u>	Position Production Superintendent
Date	Company Texas Crude Oil Company

DATE 9/16/80

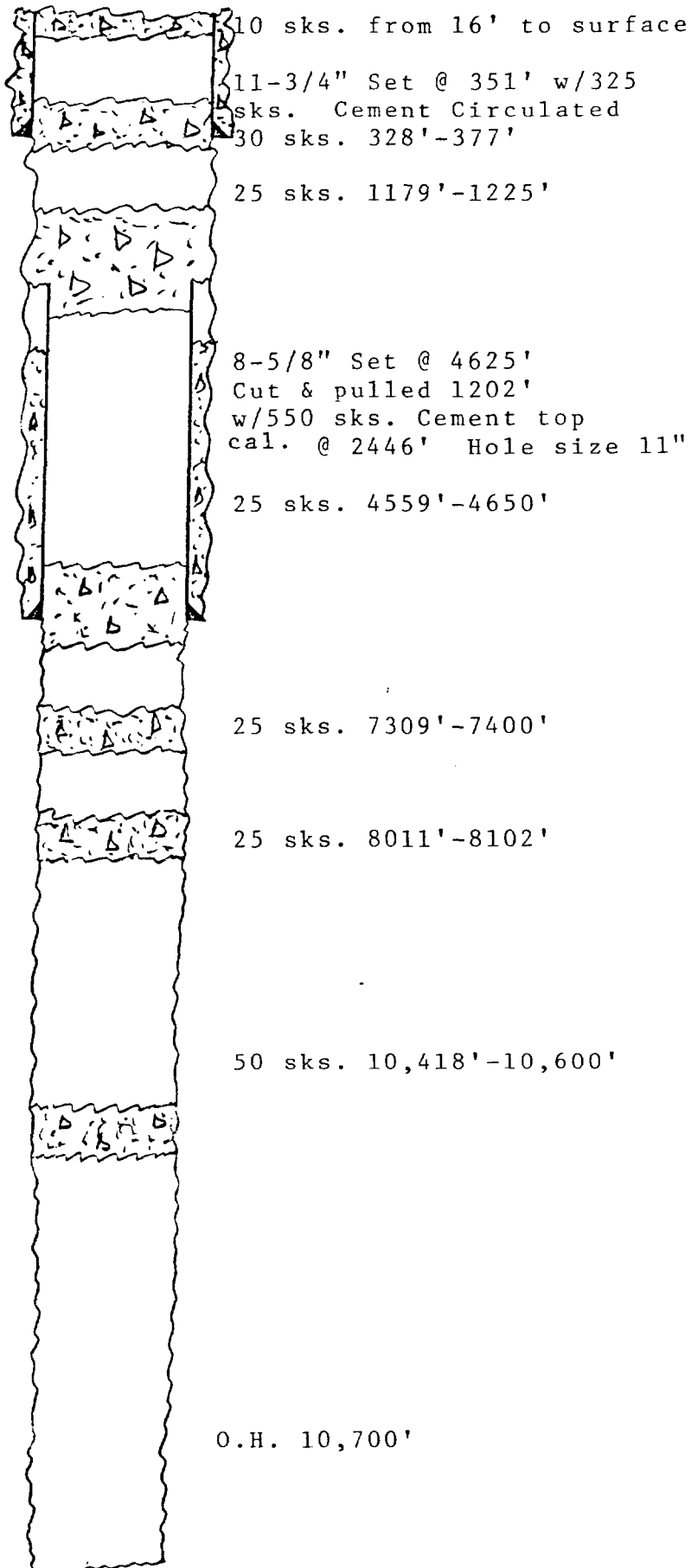
WELL DATA SHEET

Lease Union Oil of California - Stansell Well No. 7

Location 810' FNL & 1980' FEL, Sec. 7, County Lea State New Mexico
T-15S, R-35E

K.B. Elev. _____
G.L. Elev. _____
D.F. Elev. 4048'

Date Completed 7/1/65
Formation(s) _____



OK

Plug Back Total Depth _____
Total Depth 10,700'
Well Name Stansell #7

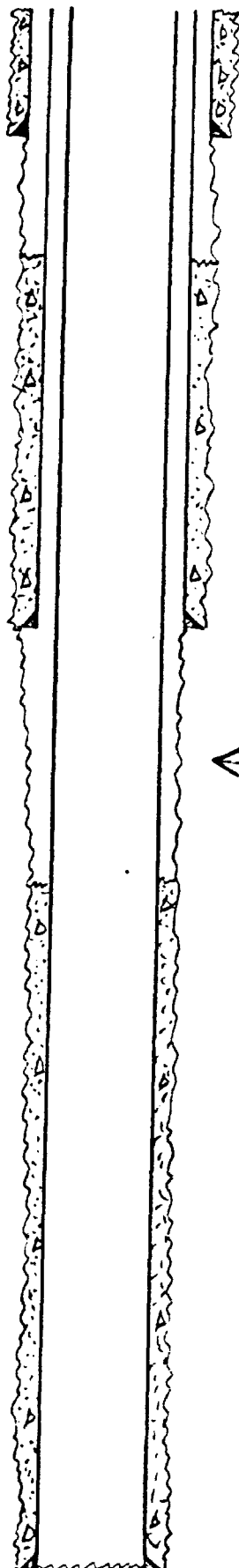
DATE 9/16/80

WELL DATA SHEET

Lease Union Oil Co. of California-Gulf Federal Well No. 1
Location 1980' FNL & 660' FEL County Lea State New Mexico

K.B. Elev. _____
G.L. Elev. _____
D.F. Elev. 4072'

Date Completed 12/31/64
Formation(s) Lower Wolfcamp



11-3/4" Set @ 376'
w/300 sks. Cement Circulated

TP&A Approved 10/9/75
No other report on file at
NMOCC Office in Hobbs.

8-5/8" Set at 4620'
w/500 sks. Cement top
calculated @ 2653'
Hole Size 11"

← Must be plugged
currently TP&A?

5 1/2" Set @ 10,703'
w/400 sks. Cement top
calculated @ 8395'
Hole Size 7-7/8"

Plug Back Total Depth _____
Total Depth 10,703'
Well Name Gulf Federal #1

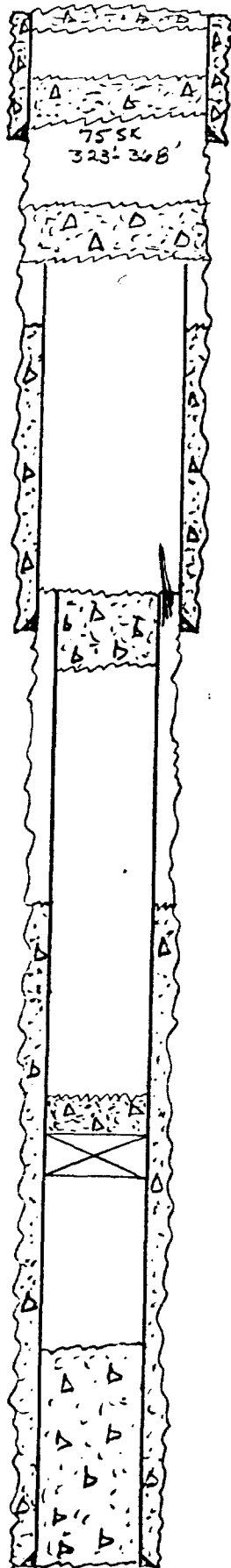
DATE 9/16/80

WELL DATA SHEET

Lease Union Oil Co. of California-State "7" Com Well No. 1
Location 660' FNL & FWL, Sec. 7, T-15S County Lea State New Mexico
R-35E

K.B. Elev. _____
G.L. Elev. _____
D.F. Elev. 4055'

Date Completed 10/31/64
Formation(s) _____



36' to surface, 20 sk

11-3/4" Set @ 352'
Cement Circulated

Top 8-5/8" csg.
@ 1496' Cement
plug 1500'-1383'

8-5/8" Set @ 4626'
Cemented & pulled @ 1496'
w/500 sks. Cement top @ 2659'
Hole Size 11"

Plug 4620'-4476' Top 5 1/2"
csg. @ 4620'

*Questionable - does plug exist above
4620' cut off depth?*

CIBP @ 10,300' w/36'
cement on top

PBSD 10,618'

5 1/2" 10,700'
Cut and pulled @ 4620'
w/400 sks. Cement top
calculated @ 8392'
Hole Size 7-7/8"

Plug Back Total Depth 10,618'
Total Depth 10,700'
Well Name State "7" Com #1

DATE 9/16/80

WELL DATA SHEET

Lease Texas Crude Oil Corporation-Pan Am State Well No. 1-6

Location Sec. 6, T-15S, R-35E, 660' County Lea State New Mexico
FNL & 2001' FWL

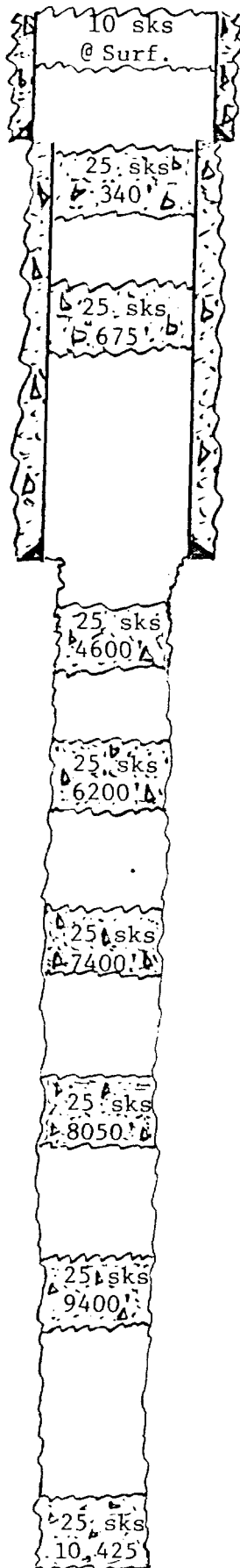
K.B. Elev. 4063'

Date Completed 4/28/64

G.L. Elev. _____

Formation(s) Permo Penn

D.F. Elev. _____



11-3/4 Set @ 304'
Cement Circulated

8-5/8" Set @ 4550'
Cut and Pulled @ 662'
w/350 sks. Cement top
calculated @ 3173'
Hole Size 11"

OK

O.H. 10,616'

Plug Back Total Depth _____
Total Depth 10,425'
Well Name Pan Am State #1-6

DATE 9/16/80

WELL DATA SHEET

Lease Gulf Oil Corporation - Featherstone Federal Well No. 1

Location 766' FNL & 554' FEL, Sec.12, County Lea State New Mexico
T-15S, R-34E

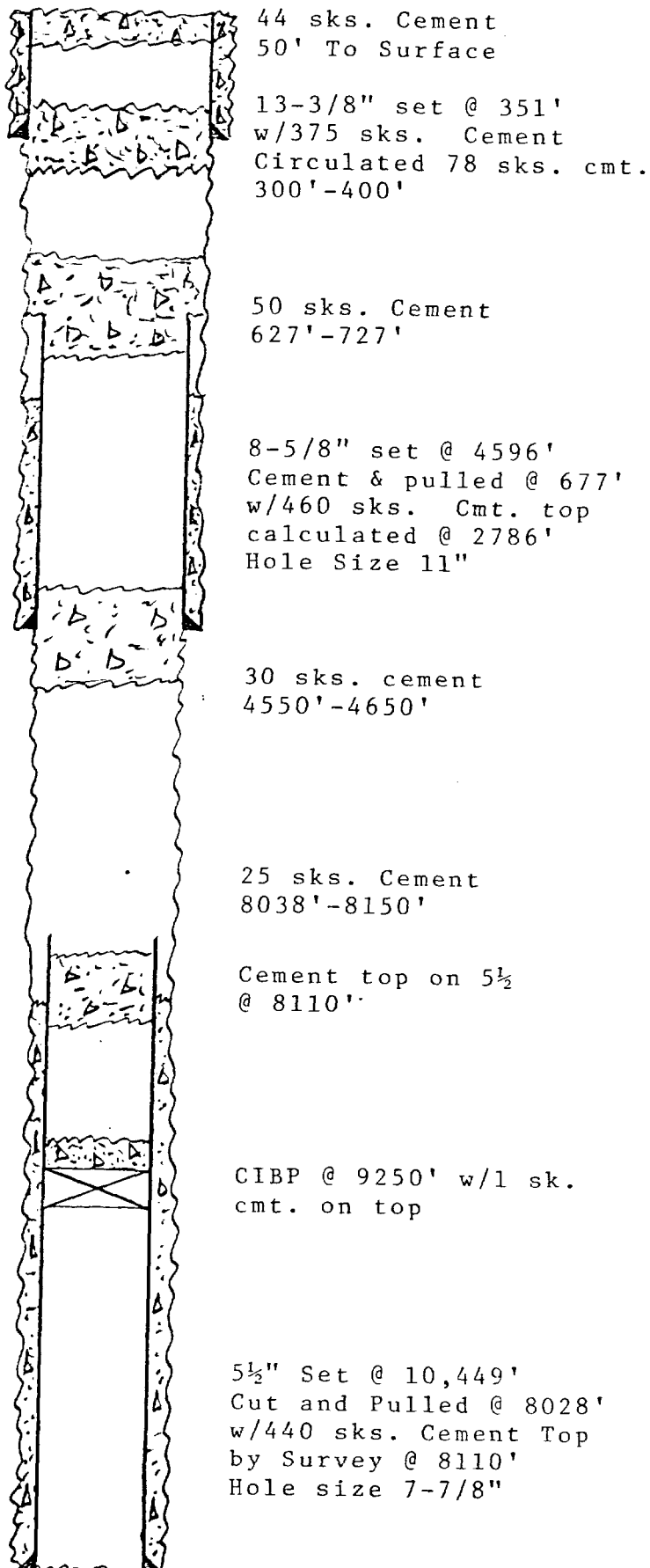
K.B. Elev. Unavailable

Date Completed 6/13/66

G.L. Elev. _____

Formation(s) _____

D.F. Elev. _____



Plug Back Total Depth _____
Total Depth 10,450'
Well Name Featherstone Federal #1