

SWD 3/29/99

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☐ Secondary Recovery ☐ Pressure Maintenance ☒ Disposal ☐ Storage
Application qualifies for administrative approval? ☒ yes ☐ no
- II. Operator: RAY WESTALL
Address: P.O. BOX 4, Loco Hills, NM 88255
Contact party: RANDALL HARRIS Phone: (505) 677-2370
- III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? ☐ yes ☒ no
If yes, give the Division order number authorizing the project _____
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- * VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail. MAY 12 1999
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- * VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- * X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)
- * XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification
- I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- Name: RANDALL HARRIS Title: GEOLOGIST
Signature: [Signature] Date: 9/6/98
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal.

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;
- (3) the formation name and depth with expected maximum injection rates and pressures; and
- (4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

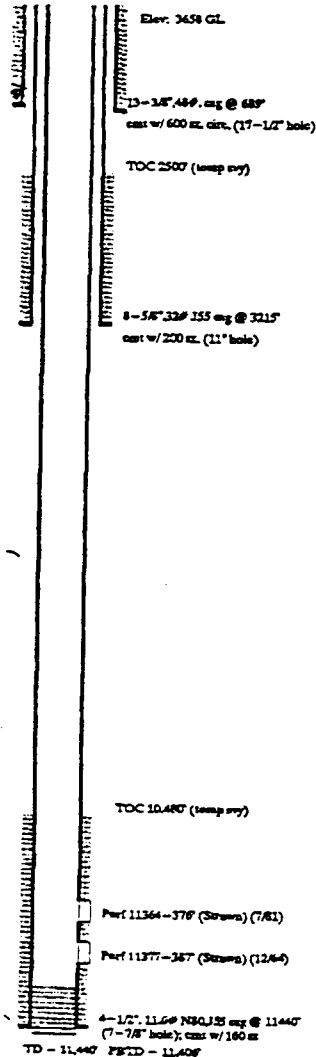
NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

INJECTION WELL DATA SHEET

RAY WESTALL OPERATOR FEDERAL SB NO. 1
1980 FNL & 660' FWL SECTION 5, TOWNSHIP 19 SOUTH, RANGE 32 EAST

SCHEMATIC



TABULAR DATA

Surface Casing

Size 13 3/8" Cemented with 600 sxs
TOC Circulated Hole size 17 1/2"
Set at 600

Intermediate

Size 8 5/8" Cemented with 200 sxs
TOC 2500' (temp svy) Hole size 11"
Set at 3215

Long String

Size 4 1/2" Cemented with 160 sxs
TOC 10,480 (temp svy)
Total Depth 11,440'

Injection Interval 11364-11387' Perforated

Tubing size 2 3/8" lined with plastic set in a BAKER LOC-SET packer at 11,300'

Other Data

1. Name of the injection formation: STRAWN
2. Name of Pool: LUSK STRAWN
3. Original purpose of well: OIL & GAS PRODUCTION
4. Well is currently perforated 11364-11387.
5. Lusk Yates-Seven Rivers pools are overlying in this area at approximately 3000-4000'

ATTACHMENT V

Maps that identifies all wells of public record within two miles of each proposed injection well, and the area of review one-half mile radius around each proposed injection well.

QUERECHO
PLAINS (BS) 28 Titan Res
UNITCHEVROLET HBF 94970
MEWBOU two Burlesone, Huff
RNE (OPER) Anadarko - 1-A
(Sulf)
Fed
U.S. "Fed."
Wilson
Fed
LUSKNO

Chevron
 18232
 Chevron
 Spear Fed.
 Str. Disc. 1
 F168
 Snow O.G.
 (4 M.I.)
 25877
 Handover Fed.
 Chevron
 U.C. 1-85
 25690
 "Patterson-
 Fed."
 U.S.

Chevy on
 HBP
 22643

(Gulf)
 Patterson-Fed
 Td 10900 - - (W)

Snow OEG
 26690 Cactus
 Horne-Fed
 Td 4665

(Damon Oil,
 et al)
 (Marbob)
 Cactus Drig. 1-B
 Shell-Fed
 Td 150 (R Westallena)
 (2300-10382) (5000-15107)

Merid-
 ion Oil
 12-1-2003
 92186
 1110 00

4 Snow OEG
 22643

14.9 Mil.
 Santa Fe Ener
 6 1-2003
 90901
 170 00

Gulf
 Fed
 Long-
 ogle-
 Fed.
 U.S.

Chevron
 4350-10382
 Marbob
 WBP
 18629

Dom-
son Oil,
etal

(R.L. McKay)

134 22
Pet. Dev. Corp.

9

★

Dom-
son Oil,
etal

"Dorothy McKay Fed."
U.S.

Per
S
T

Meridian

LG 604

DR

16 mi
413 bbls

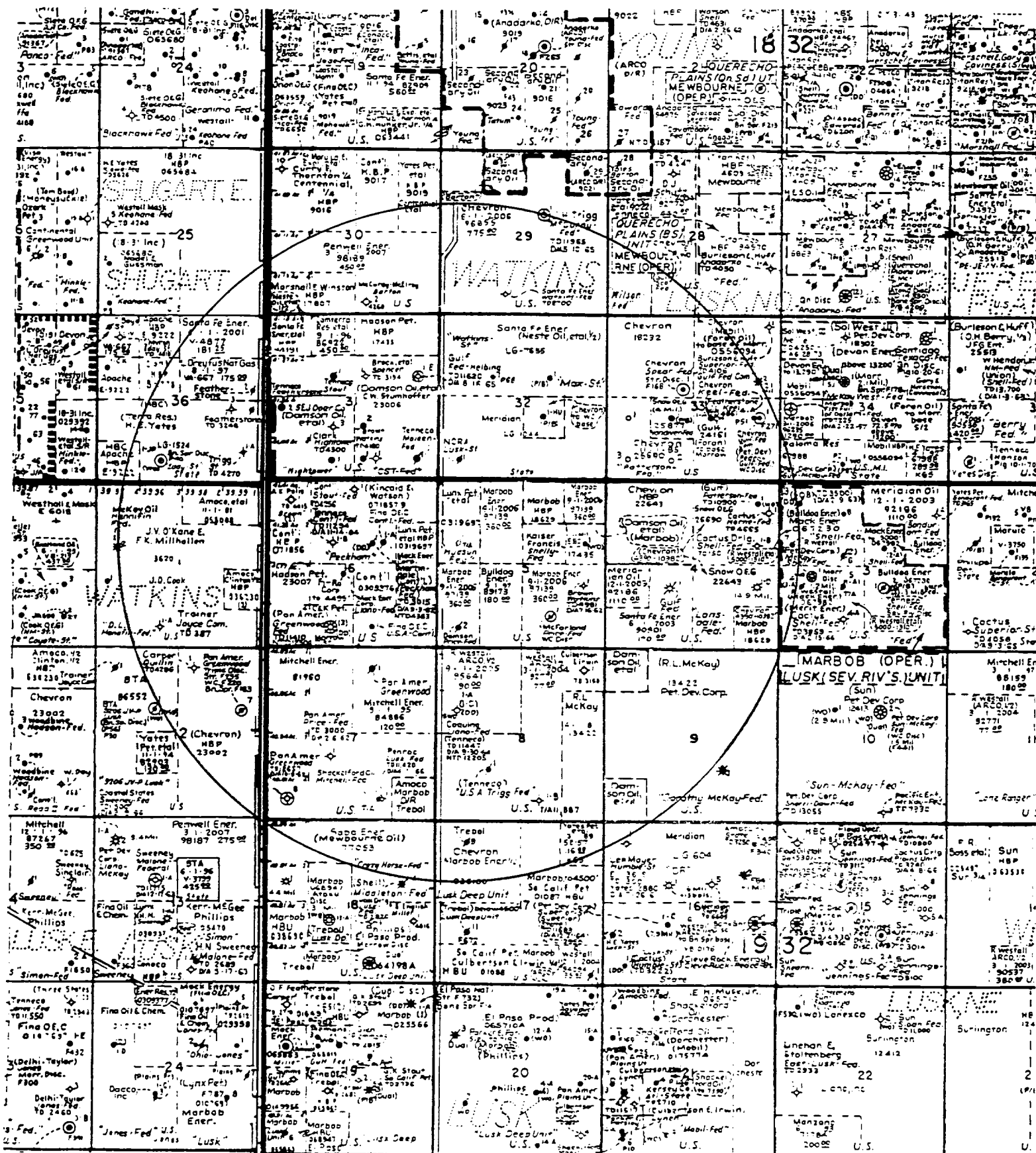
AMOCO -
Stone
TD3250

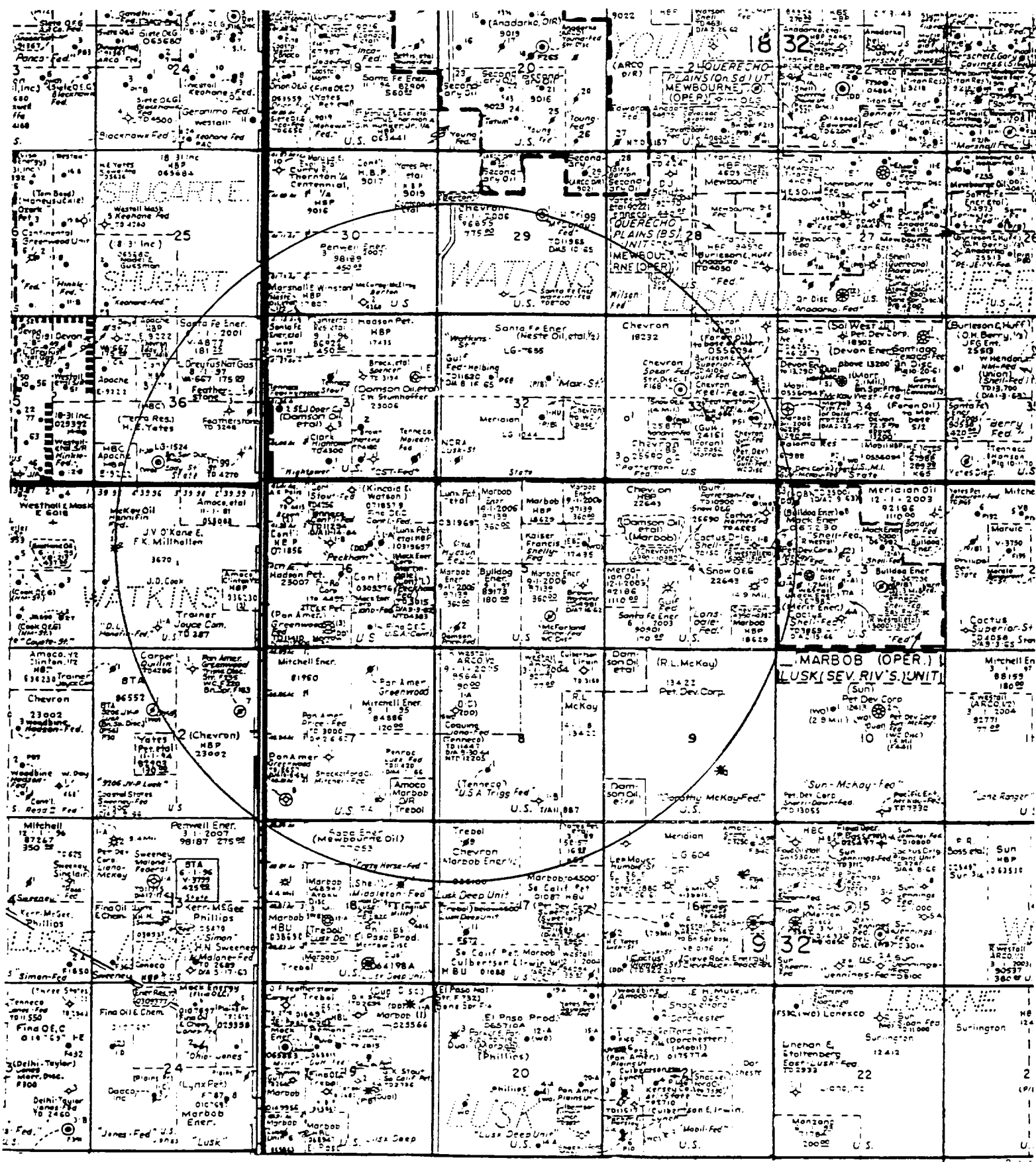
3400
F340

Floyd
064
Jun
1971
Bond

FE4 /
1 MI

Sun
Shed





ATTACHMENT VI

Data on all wells of public record within the area of review.
There are Three plugged wells that penetrated the proposed
injection zone within the area of review.

Well name	Location	Spud date	Sur. Casing	Int. Casing	Prod. Casing	Completion
Damson Oil Lusk State #1	SWSW Sec 32 T18S-R32E	04/22/65	13 3/8" @ 638 510 sxs Circ.	8 5/8" @ 3211 900 sxs Circ.	5 1/2" @ 11,600 270sxs T/9600 est	11396-11476 Lusk Strawn. Oil-- P&A
Damson Oil Price 5 Fed #1	SWSW Sec 5 T19S-R32E	09/05/64	11 3/4" @ 850 650 sxs Circ.	8 5/8" @ 3650 300 sxs Circ	4 1/2" @ 11,347 5505 sxs T/	11295-11323 Lusk Strawn OIL-- P&A
Fina Oil USA Contentinal #5	SWNE Sec 6 T22S-R28E	07/28/64	13 3/8" @ 650 320 sxs Circ.	8 5/8" @ 3599	5 1/2" @ 11,471 1385 sxs Circ	11143-11163 Lusk Strawn Oil-- P&A

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240
DISTRICT II
P.O. Drawer DD, Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
L61044

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.)

7. Lease Name or Unit Agreement Name
Lusk State

1. Type of Well:
OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. Name of Operator
Damson Oil Corporation

8. Well No.
1

3. Address of Operator
3300 N "A", Building 8, Suite 100, Midland, Texas 79705

9. Pool name or Wildcat
Lusk Strawn

4. Well Location
Unit Letter M : 660 Feet From The South Line and 660 Feet From The West Line
Section 32 Township 18S Range 32E NMPM Lea County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
3692' DF

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

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

12. 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. WITNESSED BY: RAY SMITH & JACK GRIFFIN OF N.M.O.C.D.

1. RIH with 5 1/2" CIBP to 9610', stopped by obstruction.
2. POH with CIBP.
3. RIH open ended with 2 3/8" tubing to 11,315'.
4. Spotted 50 sks. cement w/lost circ. material at 11,315', WOC, plug not there
5. Spotted 45 sks. cement w/lost circ. material at 11,315', WOC, tagged cement at 11,065'.
6. Loaded hole with brine and saltwater gel.
7. Cut and pull 4150' 5 1/2" casing.
8. RIH with tubing and spot 25 sks. cement at 6947'.
9. POH to 4200' and spot 45 sks. cement from 4200'-4080', WOC, tagged plug at 2604'.
10. Drilled out plug at 2604'.
11. RIH and spotted 45 sks. plug from 4190'-4090', WOC, plug not there.
12. Spotted 3rd-45 sks. plug from 4190-4090' WOC, tag at 4152', pump 10 sacks.
13. Spotted 45 sks. plug at 32' WOC, plug not there.
14. Spot 25 sks., WOC, tagged plug at 3178'.
15. Spot 25 sks. at 1000', WOC tagged at 887'.
16. Spot plug at 748', WOC, tagged at 547'.
17. Spot 50 sks. surface plug. P & A COMPLETE 4/26/90.

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

SIGNATURE Donald R. Craig TITLE District Engineer DATE May 10, 1990

TYPE OR PRINT NAME

TELEPHONE NO.

(This space for State Use)

APPROVED BY Lyle F. Turncliff TITLE OIL & GAS INSPECTOR DATE MAY 11 1990

CONDITIONS OF APPROVAL, IF ANY:

R N

CERTIFICATE OF COMPLIANCE

OIL CONSERVATION DIVISION
DEC 1 9 1991

DISTRIBUTION	
SANITARY	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION WELL COMPLETION OR RECOMPLETION REPORT AND LOG

0-914

Lusk-State

1

Undesignated

1. TYPE OF WELL

2. NAME OF OPERATOR

United States Smelting Refining and Mining Company

3. ADDRESS OF OPERATOR

Post Office Box 1877, Midland, Texas 79701

4. LOCATION OF WELL

Section 32, Township 36S, Range 18E, County South

West 32, 18-S, 32-E

4-22-65 5-21-65 6-5-65 3692 DF 3678

11,600' 11,552' 0-11,600

24. Producing Interval, of this

Strawn Reef (Pennsylvania). Top - 11,390, bottom - 11,537

no

5. Type Electric and other down hole

Sonic Log - Gamma Ray: Continuous Dipmeter

no

CASING SIZE	WEIGHT (LB. FT.)	LENGTH (FT.)	DEPTH (FT.)	WEIGHT (LB.)	AMOUNT PULLED
13 3/8"	48	638	17 1/2"	510 sacks	None
8 5/8"	32	3211	11"	900 sacks	None
5 1/2"	17 & 20	11600	7 7/8"	270 sacks	None

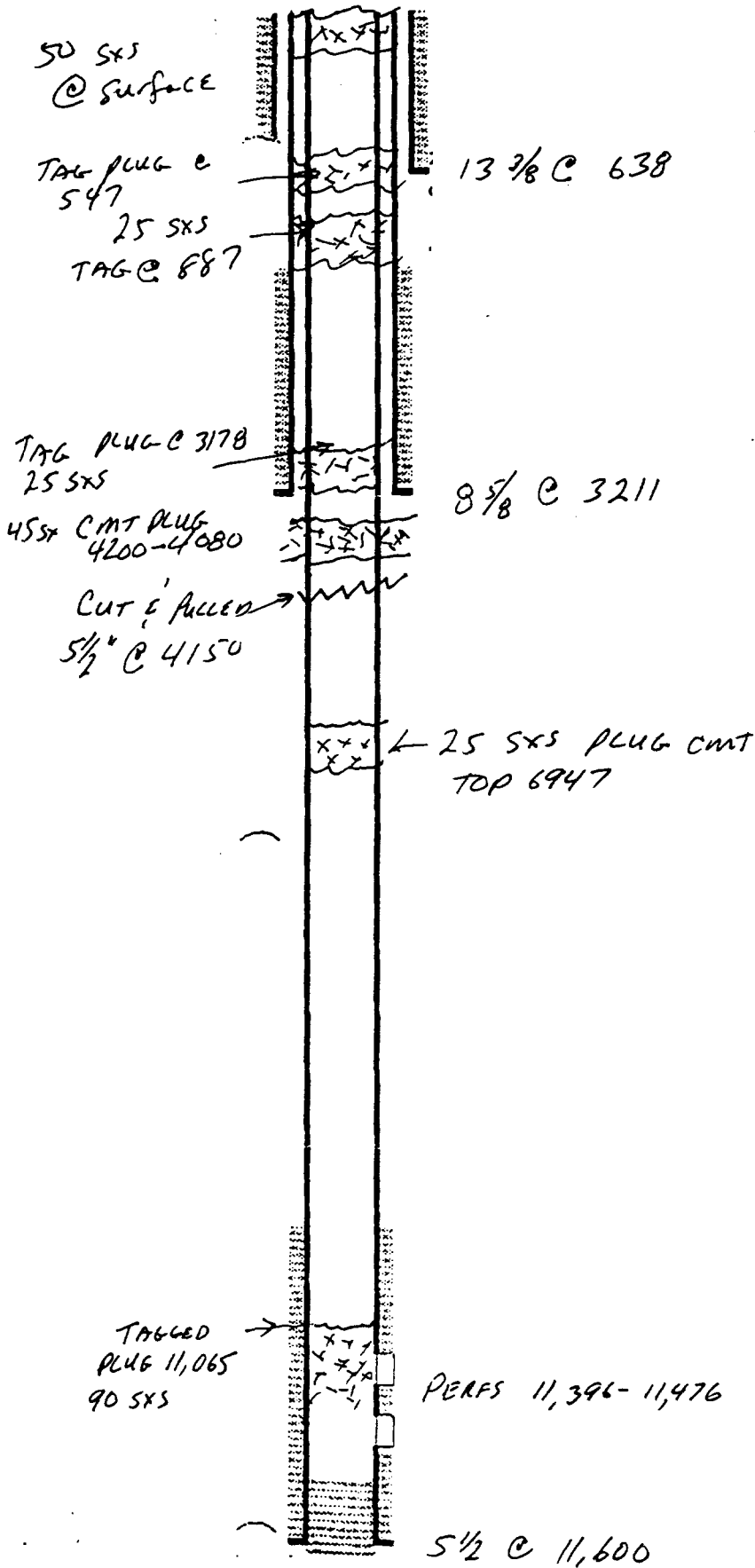
SIZE	TOP	DEPTH (FT.)	DEPTH (FT.)	DEPTH (FT.)	DEPTH (FT.)
3/4"	11,366	11,350			

1 hole each: 11,390, 11,399, 11,414, 11,424
11,436. P/11,470-11,476 with 6 holes
All 1 1/2" Dia. holes.

6-5-65		Flowing	Producing				
6-5 to 6-6	24	18/64	→	336	754.2	none	2247:1
990	Pkr.	→	336	754.41	none	47 deg.	

Contract made to Phillips Petroleum Company
Well Chantry
SIGNED _____ Manager of Production June 17, 1965

DAMSON OIL
LUSK STATE #1
660 FSL 660 FWL
SECTION 32
T185-R32E



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLI
(Other instructions
verse side)

RECEIVED
MAY 18 11 05 AM '90
FCS
AREA
LC-071856-C (SW230)
IF INDIAN, ALLOTTEE OR TRIBE NAME

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 Damson Oil Corporation	8. FARM OR LEASE NAME Price 5 Federal
3. ADDRESS OF OPERATOR 3300 N. "A", Building 8, Suite 100, Midland, Texas 79705	9. WELL NO. 2
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 660' FSL and FWL SW/SW M-5 Unit M	10. FIELD AND POOL, OR WILDCAT Lusk Strawn
14. PERMIT NO. API NO. 30-025-00889	11. SEC., T., R., M., OR SLE. AND SURVEY OR AREA Sec. 5, T19S, R32E Uni
15. ELEVATIONS (Show whether DF, RT, CR, etc.) 3647' GL	12. COUNTY OR PARISH Lea
	13. STATE N.M.

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 COMPLETION	☐
KIDNUT 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)	☐		

(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.)

1. RIH with 4 1/2" CIBP to 11,215 ft.
2. Load hole and pump 12 sacks cement on top of CIBP.
3. Cut and pull 3,000 ft. 4 1/2" casing, load hole.
4. Spot 15 sack plug at 3650'.
5. Spot 37 sack plug at 3050', WOC, tagged at 2883'.
6. Cut and pulled 948' of 8 5/8" casing.
7. RIH with tubing to 987' and pump 85 sack plug, WOC, tagged at 984'.
8. Pumped 120 sack plug at 978'.
9. Pumped 90 sack plug from 65' to surface.
10. Weld on dry hole marker.

WITNESSED BY: BILL MCMANUS, OF B.L.M.
P & A Complete 3/28/90

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

SIGNED

Donald R. Craig

TITLE

District Engineer

DATE

May 14, 1990

(This space for Federal or State office use)

APPROVED BY

Donald R. Craig

TITLE

PETROLEUM ENGINEER

DATE

6-18-90

CONDITIONS OF APPROVAL, IF ANY:

Liability under bond is retained until
surface restoration is completed.

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

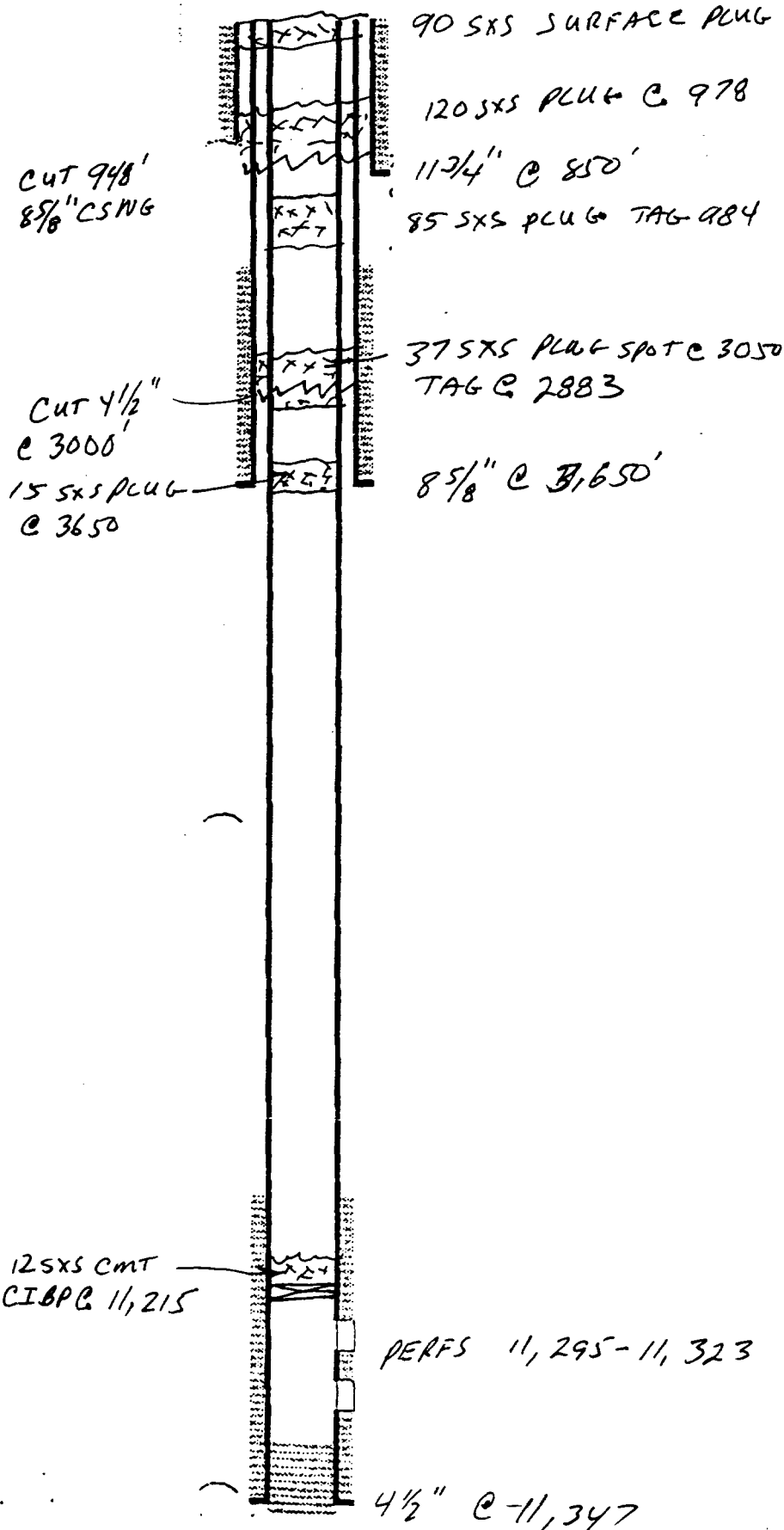
SUBMIT IN DUPLICATE

WELL COMPLETION OR RECOMPLETION REPORT AND

1. TYPE OF WELL:		OIL WELL ☒	GAS WELL ☐	Other ☐					
2. TYPE OF COMPLETION:		NEW WELL ☒	WORK OVER ☐	DEEP-EN ☐	PLUG BACK ☐	REPERFORATE ☐	Other ☐		
3. NAME OF OPERATOR McFarland Corporation									
4. ADDRESS OF OPERATOR 3512 West Wall, Midland, Texas									
5. LOCATION OF WELL (Report location clearly and in accordance with any State or Federal laws) At surface 660' 78 & N. of Sec. 5 - 19 - 32 At top prod. interval reported below At total depth									
14. PERMIT NO.				DATE ISSUED					
15. DATE REQUESTED		16. DATE T.D. REACHED		17. DATE COMPLETED (Ready to prod.)		18. ELEVATION OF DEN. DEN. ET. GE. ETC.		19. ELEV. CASING	
9-5-64		10-11-64		10-16-64		3647 G.L.		3657 D.E.	
20. TOTAL DEPTH, MD & TVD		21. PLUG BACK T.D., MD & TVD		22. IF MULTIPLE COMPLEMENTS, HOW MANY?		23. INTERVALS DRILLED BY		24. ROYALTY TOWN	
11,437		PETD 11,355'				Yes		CABLE TOWN	
25. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) Strawn 11,295' - 11,323'								26. WAS DIRECTIONAL SURVEY MADE No	
27. TYPE ELECTRIC AND OTHER LOGS RUN Schlumberger ES-Induction, GR-Ind, & MLL								28. WAS WELL CURED No	
29. CASING RECORD (Report all strings set in well)									
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT FILLED				
11 3/4"	42#	350	15"	650 sacks	None				
8 5/8"	24 & 32#	3650	11"	300 sacks	None				
4 1/2"	11.6# & 13.5#	11,347	7 7/8"	550 sacks	None				
30. LINER RECORD								31. TUBING RECORD	
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)		
None					2 3/8"	11,263	11,260		
32. PERFORATION RECORD (Interval, size and number)				33. ACID, SHOT, FRACTURE CEMENT SQUEEZE, ETC.					
11,295' - 11,323'				2 CJFF 1/2" holes					
				DEPTH INTERVAL (MD)					
				11,295'-11,323'					
				2500 gallons 151 NE					
34. PRODUCTION									
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)			
10-16-64		Flowing				Producing			
DATE OF TEST	MOON TESTED	MOON TEST PERIOD	OIL - PRL.	GAS - PRL.	WATER - PRL.				
10-16-64	8	15/64	115	189.8	-0-				
NO. OF TUBING FEET	CASING PRESSURE	CALCULATED 24 HOUR RATE	OIL - PRL.	GAS - PRL.	WATER - PRL.				
1900	-0- Packer	346	570.3	-0-	43 degrees API				
35. LOCATION OF GAS (Solid, used for fuel, vented, etc.)									
Will be sold to Phillips Petroleum Co.									
36. SIGNATURE OF OPERATOR									
Richard L. Robinson									
37. SIGNATURE OF GEOLOGICAL SURVEY									
Richard L. Robinson									
38. TITLE									
Vice President									
39. DATE									
10-19-64									

* (See Instructions and Spaces for Additional Data on Reverse Side)

VAMSON OIL
PRICE 5 FEDERAL
660 FSL & 660 FWL
SECTION 5
T 195 - R 32 E



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 FINA OIL & CHEMICAL COMPANY		8. FARM OR LEASE NAME Continental "A" Com Federa	
3. ADDRESS OF OPERATOR Post Office Box 2990, Midland, Texas 79702		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 Unit Letter G, 1980' FNL and 1650' FEL, Section 6, Township 19S, Range 32E, NMPM		10. FIELD AND POOL, OR WILDCAT Lusk Strawn	
14. PERMIT NO.		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 6, T 19S, R 32E, NMPM	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 3675' (3676)' RKB		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

RIPOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐
☐

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(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.)*

1. MIRU PU. NU BOP.
2. PU workstring & TIH w/3.75" casing swage, 6-3 1/2" drill collars, bumper sub and hydraulic jars.
3. Work swage through collapsed casing @ 6993'; TOH w/workstring.
4. Change out casing swage, using 1/4" larger swage each trip, up to a maximum of 4.75". TIH w/same bottom hole assembly each trip and work through collapsed section.
5. TIH w/5 1/2" cement retainer on workstring. Set retainer @ 11,050'. Squeeze perfs (11,114'-11,554') w/100 sx C1 H cement.
6. Sting out of retainer. Circulate 10 ppg mud. Spot 25 sx C1 H cement on top of retainer.
7. PUH to 10,200' & spot 25 sx C1 H cement (across Wolfcamp).
8. PUH to 8,500' & spot 25 sx C1 H cement (across Bone Springs).
9. PUH to 3,650' & spot 25 sx C1 H cement (across Grayburg).
10. PUH to 2,900' & spot 25 sx C1 H cement (across 7 Rivers/Queen).
11. PUH & spot 5 sx C1 H cement from 50' to surface.
12. LD workstring. Weld on plate.
13. RD and MDL.
14. Restore location.

* NOTIFY BLM ---

PERF. ---

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

SIGNED Ronald E. Smelley

TITLE Division Mgr-Drlg & Production DATE Sep 08 1989

(This space for Federal or State office use)

Orig. Signed by Adam Salameh

PETROLEUM ENGINEER

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

VL OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true to the best of my knowledge and belief.

OIL CONSERVATION DIVISION
JUN 2 1989

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPL
(Other instructions on re-
verse side)

Approved.
Bureau No. 1004-0135
Expires August 31, 1985

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.)

RECEIVED

Nov 15 4 14 PM '90

1. OIL WELL ☐ GAS WELL ☒ OTHER		5. LEASE DESIGNATION AND SERIAL NO. LC 071857 B	
2. NAME OF OPERATOR FINA OIL & CHEMICAL COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P. O. Box 2990, Midland, TX 79702-2990		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 Unit Letter G, 1980' FNL & 1650' FEL		8. FARM OR LEASE NAME Continental A Com Fed Cont A Fed	
14. PERMIT NO. API 30-025-20913		9. WELL NO. 1	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) KB 3672.6, GL 3654.5		10. FIELD AND POOL, OR WILDCAT Lusk Strawn	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 6, T-19-S, R-32-E	
		12. COUNTY OR PARISH Lea	
		13. STATE N.M.	

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETION	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☒
REPAIR WELL	☐	CHANGE PLANS	☐	(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 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.)

- 1) Circulated hole with 10# salt gel from 6919' to surface.
- 2) Pumped 20 sx. C1 "H" plug from 6919'-6800'.
- 3) Pumped 100' plug between 5 1/2" & 8 5/8" casing @ 4089'-3989'.
- 4) Pumped 100' plug from 3300'-3200' outside and inside 5 1/2" casing.
- 5) Spot cement from 60' to surface, 10 sxs.
- 6) Remove wellhead and install marker, clean and rip location 6" deep.
- 7) Well P&A 1-17-90.

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

SIGNED Neva Herndon TITLE Senior Production Clerk DATE 11-12-90
(This space for Federal or State office use)

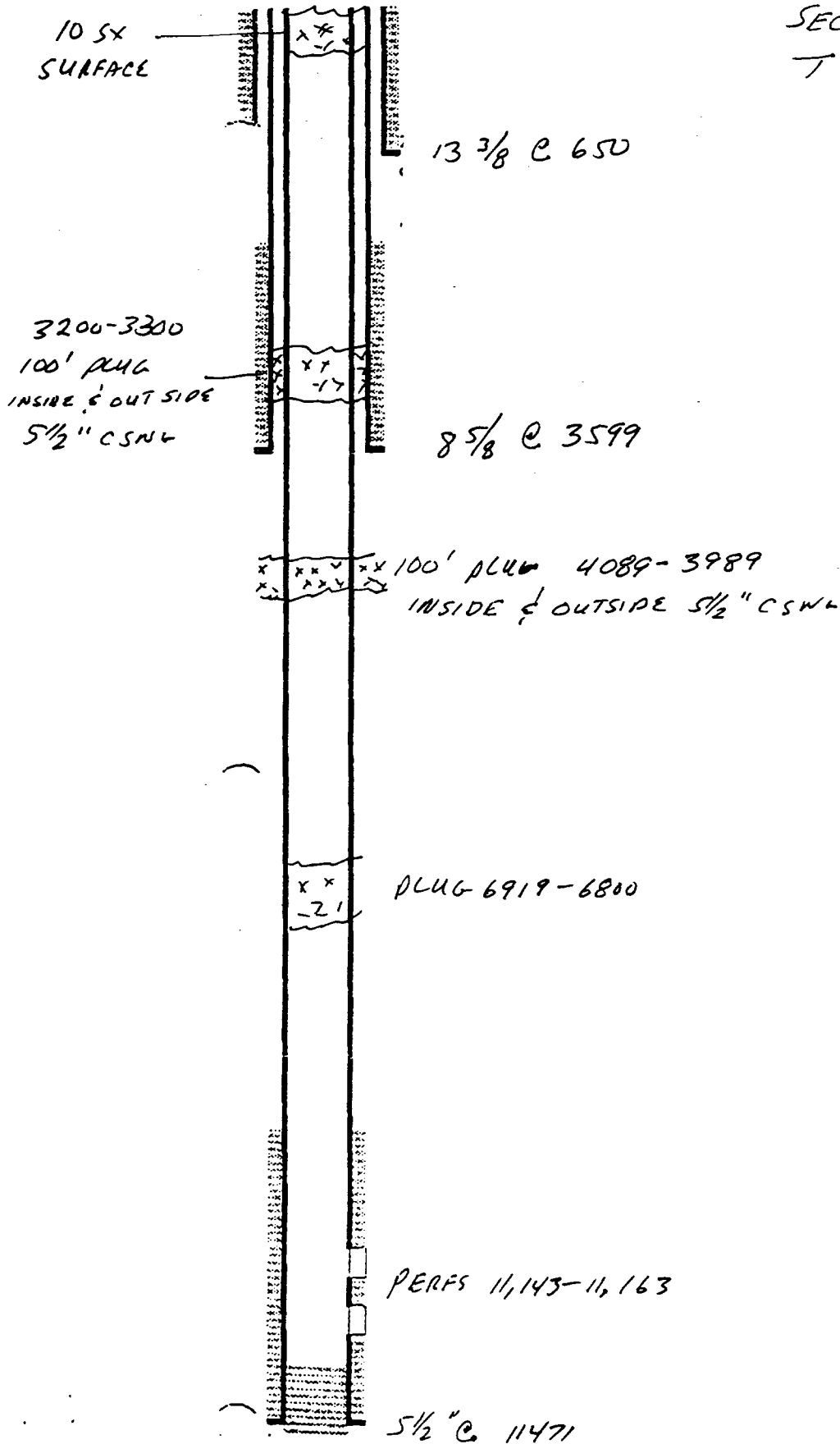
APPROVED BY Orig. Signed by Adam Salemah TITLE PETROLEUM ENGINEER DATE 11 27 90

CONDITIONS OF APPROVAL, IF ANY:

- Approved as to plug all of the well bore.
- Liability under bond is retained until surface restoration is completed.

*See Instructions on Reverse Side

FINA OIL
CONTINENTAL A COM FED #1
1980 FNL & 1650 FEL
SECTION 6
T 195 - R32 E



ATTACHMENT VII

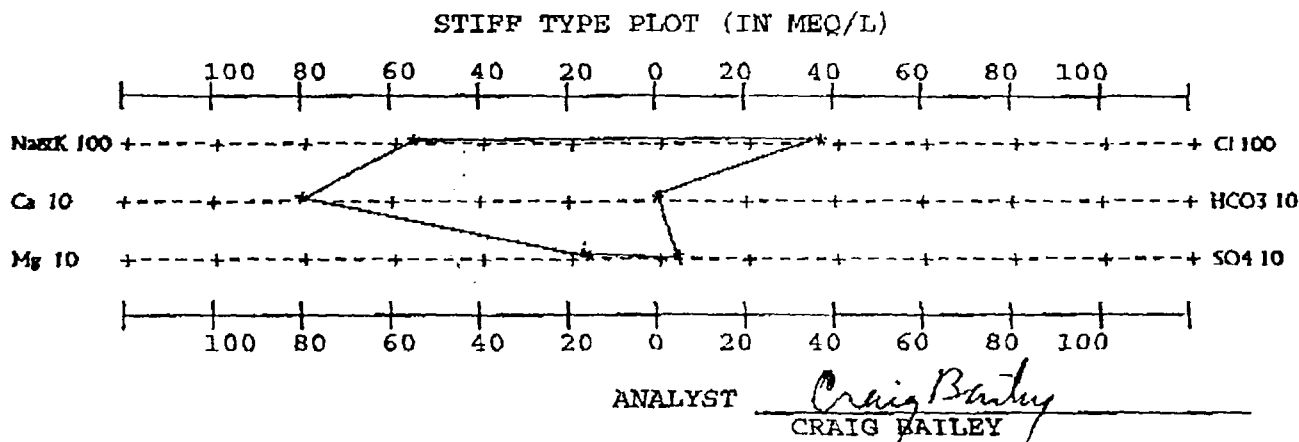
PROPOSED OPERATION

1. Plans are to inject 1000-1500 bbls of produced water per day per well.
2. The injection system is be a closed system.
3. The estimated injection pressure is 1500 psig. Maximum pressure will be 2000# psig.
4. Injection fluid will be produced water from oil and gas wells from the surrounding area.
5. A several samples of produced waters are attached.

BJ SERVICES COMPANY
WATER ANALYSIS #FW01W052
ARTESIA LAB

GENERAL INFORMATION			
OPERATOR:	RAY WESTALL OPERATING	DEPTH:	7376-7386
WELL:	MAVERICK FEDERAL #1	DATE SAMPLED:	04/04/96
FIELD:		DATE RECEIVED:	04/04/96
SUBMITTED BY:	RANDY HARRIS	COUNTY:	EDDY
WORKED BY:	CRAIG BAILEY	STATE:	NM
PHONE NUMBER:		FORMATION:	

SAMPLE DESCRIPTION	
PHYSICAL AND CHEMICAL DETERMINATIONS	
SPECIFIC GRAVITY:	1.165 @ 70°F PH: 5.55
RESISTIVITY (CALCULATED):	0.025 ohms @ 75°F
IRON (FE++) :	65 ppm
CALCIUM:	16,153 ppm
MAGNESIUM:	2,086 ppm
CHLORIDE:	130,443 ppm
SODIUM+POTASS:	84,610 ppm
IODINE:	
SULFATE:	1,030 ppm
TOTAL HARDNESS	48,956 ppm
BICARBONATE:	178 ppm
SODIUM CHLORIDE (Calc)	214,578 ppm
TOT. DISSOLVED SOLIDS:	265,217 ppm
POTASSIUM CHLORIDE:	
REMARKS	



BJ SERVICES COMPANY
WATER ANALYSIS #AT01W013
ARTESIA LAB

GENERAL INFORMATION

OPERATOR: RAY WESTALL	DEPTH:
WELL: PALADIN FED. #1	DATE SAMPLED: 05/07/96
FIELD:	DATE RECEIVED: 05/07/96
SUBMITTED BY: RANDY HARRIS	COUNTY: EDDY STATE: NM
WORKED BY: ERIC HENDERSON	FORMATION: DELEWARE
PHONE NUMBER:	

SAMPLE DESCRIPTION

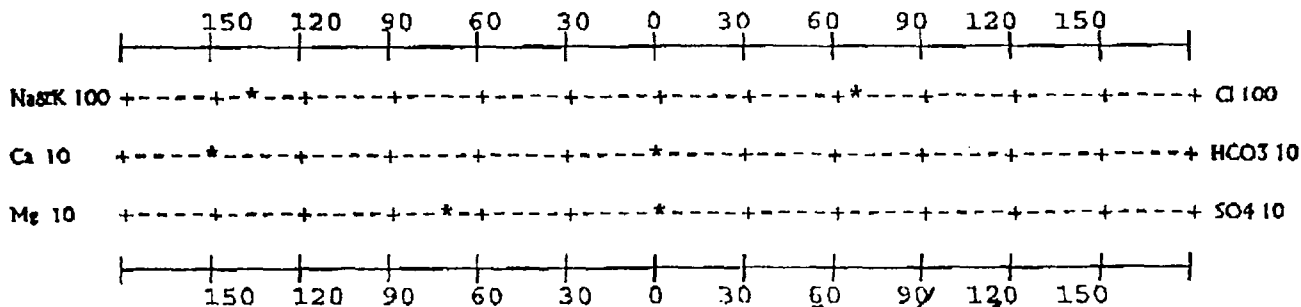
flow back sample

PHYSICAL AND CHEMICAL DETERMINATIONS

SPECIFIC GRAVITY:	1.165	@ 77°F	PH:	6.50
RESISTIVITY (CALCULATED):	0.015	ohms @ 75°F		
IRON (FE++) :	30 ppm	SULFATE:		343 ppm
CALCIUM:	29,901 ppm	TOTAL HARDNESS		111,655 ppm
MAGNESIUM:	8,969 ppm	BICARBONATE:		157 ppm
CHLORIDE:	240,289 ppm	SODIUM CHLORIDE (Calc)		395,276 ppm
SODIUM+POTASS:	141,462 ppm	TOT. DISSOLVED SOLIDS:		493,907 ppm
H2S: NO TRACE		POTASSIUM CHLORIDE:		450

REMARKS

STIFF TYPE PLOT (IN MEQ/L)



ANALYST

Eric Henderson
 ERIC HENDERSON

EXT. NO.

ANALYSIS NO.

WATER ANALYSIS

GENERAL INFORMATION

OPERATOR	RAY Westall	DATE SAMPLED	7/10/95
WELL	Amoco?	DATE RECEIVED	7/10/95
FIELD	-	SUBMITTED BY	T. Adams
FORMATION	-	WORKED BY	R. Williams
COUNTY	-	SAMPLE DESCRIPTION:	-
STATE	-		
DEPTH	-		

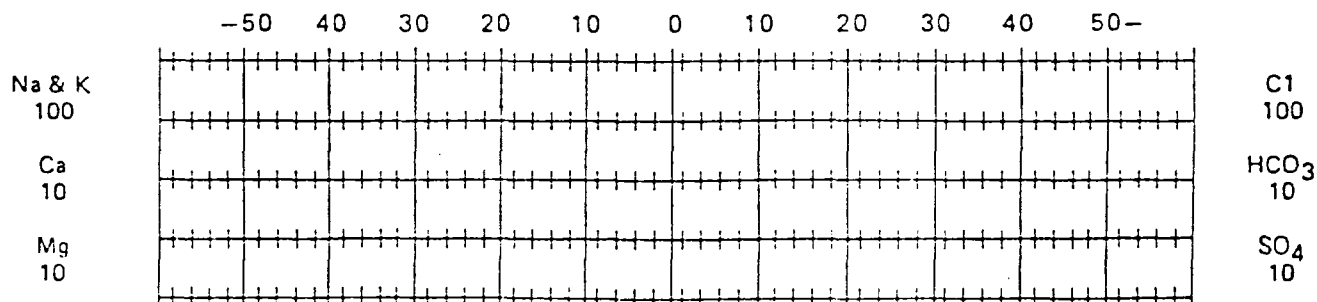
PHYSICAL AND CHEMICAL DETERMINATIONS

SPECIFIC GRAVITY	1.025	AT	74 °F	TOTAL DISSOLVED SOLIDS	—	PPM
pH	8.7			RESISTIVITY	1.25 @ 74°F	PPM
IRON	NO FERRIC / FERROUS 100 TANK / 7 TANK			SULFATE ^{100 20 120}	2400	PPM
HYDROGEN SULFIDE	VERY VERY STRONG			BICARBONATE ^{100 20}	1580	PPM
HARDNESS ^{100 20}	28000			CHLORIDE ^{100 10}	2000	PPM
CALCIUM ^{100 20}	4800			SODIUM CHLORIDE	42,770	PPM
MAGNESIUM ^{100 10}	3858			SODIUM	1026	PPM
SODIUM & POTASSIUM	6026			POTASSIUM	0	PPM
PHOSPHATE	—			0% KC1		

REMARKS:

$$\begin{array}{r} 720 \\ 30 \\ \hline 50 \\ 50 \\ \hline 50 \end{array} \quad \begin{array}{r} 240 \\ 280 \\ \hline 560 \end{array} \quad \begin{array}{r} 240 \\ 280 \\ \hline 560 \end{array}$$

for Stiff type plot (in meq./l.)



ATTACHMENT VIII

The proposed injection zone is a carbonate in the Strawn Formation. This is a reef carbonate. It has average thickness of 250 feet thick. There is possible drinking water overlying the injection in the surface sands at a depth of 0-250' There is no known source underlying the injection interval.

ATTACHMENT IX

No proposed stimulation.

ATTACHMENT XI

There is no fresh water wells within one mile.

ATTACHMENT XII

All available geologic and engineering data have been examined and there is no evidence of open faults or any other hydrologic connection between the disposal zone and any source of drinking water.

ATTACHMENT XIV

PROOF OF NOTICE

Leasehold operators within one-half mile of the well location are Marbob Energy, Burlington, Fina, Kaiser Francis and Tenneco. Each of these operators were provided a copy of our application by certified mail. Proof of notice is enclosed. The surface owner is the of United States of America, BLM.

PROOF OF PUBLICATION

Proof of publication will be from the Hobbs News-Suns and will be forwarded.

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, KATHI BEARDEN

Publisher

of the Hobbs Daily News-Sun, a
daily newspaper published at
Hobbs, New Mexico, do solemnly
swear that the clipping attached
hereto was published once a
week in the regular and entire
issue of said paper, and not a
supplement thereof for a period.

of 1
_____ weeks.

Beginning with the issue dated

February 14 1999
and ending with the issue dated

February 14 1999

Kathi Bearden

Publisher

Sworn and subscribed to before

me this 13th day of

February 1999

Godi Benson

Notary Public.

My Commission expires
October 18, 2000
(Seal)

LEGAL NOTICE

February 14, 1999

Ray Westall-Operator, P.O.
Box 4, Loco Hills, New Mexi-
co 88255. Phone (505)677-
2370. contact party for Ray
Westall-Operator, Randall L.
Harris, is seeking administra-
tive approval from the New
Mexico Oil Conservation Divi-
sion to Utilize a well located,
1980' FNL & 660" FWL Sec-
tion 5, Township 19 south,
Range 32 East, Lea County,
New Mexico known as the SB
Federal #1 for water injection.
Proposed injection is in the
Strawn Formation through
Perforations 11364-11387'.
Expected maximum injection
rate of 1500 BBL per day at
2000 PSI. Interested parties
must file objection or requests
for hearing with the Oil Con-
servation Division, P.O. Box
2088, Santa Fe, New Mexico
87501 within 15 days of this
notice.
#16432

This newspaper is duly qualified
to publish legal notices or adver-
tisements within the meaning of
Section 3, Chapter 167, Laws of
1937, and payment of fees for
said publication has been made.

01101152000 01529963
Ray Westall Operating, Inc.
P.O. Box 4
a/c 434005
Loco Hills, NM 88255

Leasehold Operator

Certified Mail Number

Burlington Resources
Box 51810
Midland, TX 79710-1810

P 333 336 191

Fina Oil
Box 2990
Midland, TX 79702

P 333 336 192

Kaiser Francis
Box 21468
Tulsa, Ok 74121-1468

P 333 336 193

Marbob Energy
Box 227
Artesia, NM 88211-0227

P 333 336 194

Tenneco/El paso Energy Corp
1001 Louisiana St.
Houston, TX. 77002

P 333 336 195

Surface Owner:

United States Department of the Interior
Bureau of Land Management
2909 West Second Street
Roswell, NM 88201-1287

P 333 336 191

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to	
BURLINGTON	
Street & Number	
Box 51818	
Post Office, State, & ZIP Code	
Midland TX 79710-1810	
Postage	\$ 1.21
Certified Fee	1.35
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$ 2.56
Postmark or Date	

PS Form 3800 April 1995

P 333 336 192

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to	
FINA OIL	
Street & Number	
Box 2990	
Post Office, State, & ZIP Code	
Midland, TX 79702	
Postage	\$ 1.21
Certified Fee	1.35
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$ 2.56
Postmark or Date	

PS Form 3800 April 1995

P 333 336 193

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to	
KAISER FRANCIS	
Street & Number	
Box 21468	
Post Office, State, & ZIP Code	
Tulsa, OK 74121-1468	
Postage	\$ 1.21
Certified Fee	1.35
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$ 2.56
Postmark or Date	

PS Form 3800 April 1995

P 333 336 194

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to	
MARBOB ENERLEY	
Street & Number	
Box 227	
Post Office, State, & ZIP Code	
ARTESIA, NM 88211-0227	
Postage	\$ 1.21
Certified Fee	1.35
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$ 2.56
Postmark or Date	

PS Form 3800 April 1995

P 333 336 195

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to	
TENNECO/EL PASO ENERLEY	
Street & Number	
1001 LOUISIANA ST	
Post Office, State, & ZIP Code	
Houston, TX 77002	
Postage	\$ 1.21
Certified Fee	1.35
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$ 2.56
Postmark or Date	

PS Form 3800 April 1995



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

3/19/99

GOVERNOR

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RE: Proposed:

MC	_____
DHC	_____
NSL	_____
NSP	_____
SWD	<u>X</u> _____
WFX	_____
PMX	_____

TOTAL 3
P1A 3
REPAIR &

Gentlemen:

I have examined the application for the:

<u>Ray Westall</u>	<u>SB Federal</u>	<u>#1-E</u>	<u>5-19s.320</u>
Operator	Lease & Well No.	Unit	S-T-R

and my recommendations are as follows:

Recommend approval if no objection

Yours very truly,

Chris Williams

Chris Williams
Supervisor, District 1

/ed