



STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

September 30, 1988

McKay Oil Corporation
P.O. Box 2014
Roswell, NM 88202

Attention: James L. Schultz
Contracts & Land

Administrative Order NSL-2587

Dear Mr. Schultz:

Reference is made to your application of September 16, 1988 for a non-standard gas well location for your L.L. & E. Well No. 3 to be located 660 feet from the North line and 1485 feet from the West line (Unit C) of Section 12, Township 6 South, Range 22 East, NMPM, West Pecos Slope Abo Gas Pool, Chaves County, New Mexico. The NW/4 of said Section 12 shall be dedicated to the well forming a standard 160-acre gas spacing and proration unit for said pool.

By the authority granted me under the provisions of General Rule 104 F(1), the above-described unorthodox location is hereby approved.

Sincerely,

A handwritten signature in dark ink, appearing to read "William J. LeMay".

William J. LeMay
Director

WJL/MES/ag

cc: Oil Conservation Division - Artesia
New Mexico Oil & Gas Engineering Committee - Hobbs
US Bureau of Land Management - Roswell

Form 9-334 C
May 1963NM Oil Cons. Mission
Drawer DD
Artesia, NM 88210SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)Form approved.
Budget Bureau No. 42 R1425.DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK

DRILL ☒PLUG BACK ☐

2. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒OTHER ☐SINGLE
ZONE ☒MULTIPLE
ZONE ☐

3. NAME OF OPERATOR

McKay Oil Corporation

4. ADDRESS OF OPERATOR

P.O. Box 2014, Roswell, New Mexico 88202

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface
1485 FWL- 660' FNL

At proposed prod. zone

6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE

30 miles

7. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if 660')8. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

3/4 miles

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

4177'

10.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24.0 J-55	900'	850 cf cement circulated
7 7/8"	4 1/2"	10.5 J-55	TD	1200 cf cement including 480 cf to tie in 4 1/2" to 8 5/8" from 1500' to 800'.

We propose to drill and test the Abo formation. Approximately 900' of surface casing will be set and cemented to surface. If commercial, 4 1/2" production casing will be run and cemented with adequate cover, perforated and stimulated as needed for production.

FUD PROGRAM: See Supplemental Drilling Data Which is Attached.

BOP PROGRAM: BOP will be installed on 8 5/8" casing and tested daily.

Gas is not dedicated.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

TITLE Landman

DATE 2-26-87

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

S/Homer Meyer, Acting

TITLE

Area Manager

DATE

MAR 12 1987

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL OF THIS APPLICATION DOES NOT WARRANT OR CERTIFY THAT THE APPLICANT HOLDS LEGAL OR EQUITABLE TITLE TO THOSE RIGHTS IN THE SUBJECT LEASE WHICH WOULD ENTITLE THE APPLICANT TO CONDUCT OPERATIONS THEREON.

All distances must be from the outer boundaries of the Section.

Operator McKAY OIL CORP.			Lease L.L. & E. FEDERAL		Well No. 3
Unit Letter C	Section 12	Township 6 SOUTH	Range 22 EAST	County CHAVES	
Actual Footage Location of Well: 1485 feet from the WEST line and 660 feet from the NORTH line					
Ground Level Elev. 4177	Producing Formation Abo		Pool W. Pecos Slope Abo		Dedicated Acreage 160 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership in Abo, both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.

CERTIFICATION

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

Name
Sam L. Shackelford

Position
Agent

Company
McKay Oil Corp.

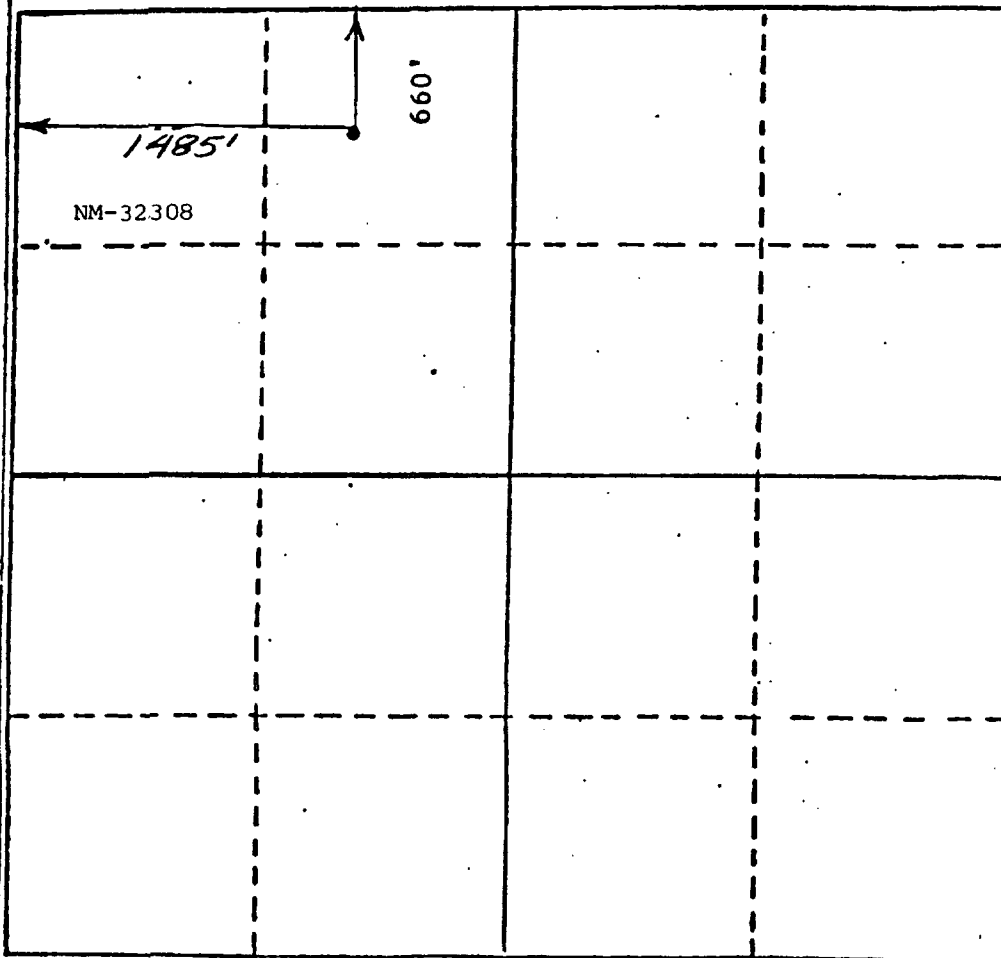
Date
2-26-87

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
JANUARY 12, 1987

Registered Professional Engineer and/or Professional Surveyor
JOHN D. JAQUES

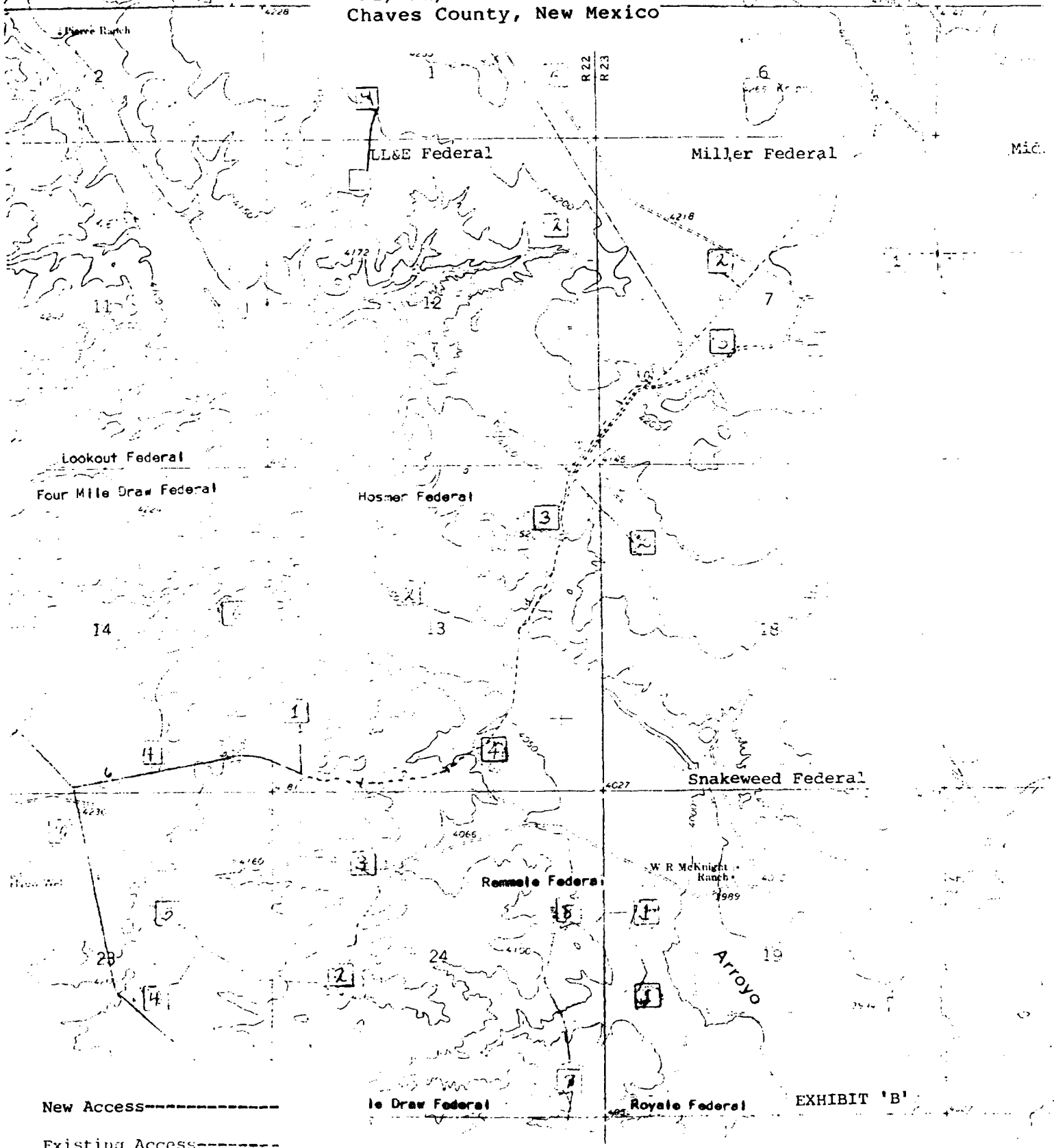
Certificate No.
6290



McKay Oil Corporation
L. L. & E. Federal #3
NE/4NW/4 Sec. 12-6S-22E
Chaves County, New Mexico

R21E
R22E

R22
R23



New Access-----

Existing Access-----

EXHIBIT 'B'

Form 3160--5
(November 1983)
(Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM Oil Cons. Commission

Drilling License
Artesia, NM 88210

Form approved.
Budget Bureau No. 1004-011
Expires August 31, 1985

LEASE DESIGNATION AND SERIAL

NM-32308

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 ☐
2. NAME OF OPERATOR
McKay Oil Corporation
3. ADDRESS OF OPERATOR
P.O. Box 2014, Roswell, New Mexico 88202
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface
1485 FWL & 660 FNL

RECEIVED

MAR 24 '88

ARTESIA, OFFICE

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

L.L.&E. Federal

9. WELL NO.

3

10. FIELD AND POOL, OR WILDCAT

W. Pecos Slope Abo

11. SEC., T., R., M., OR B.L. AND
SURVEY OR AREA

Sec. 12-6S-22E

14. PERMIT NO.

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

4177'

12. COUNTY OR PARISH

Chaves

13. STATE

NM

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) 1 year extension-APD ☒

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.)*

Operator requests a 1 year extension of the Application for Permit to Drill on the referenced location.

Expiration 3-12-88

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

SIGNED

James L. Schilly

TITLE

Landman

DATE

3-12-88

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

APPROVED
DATE
PETER W. CHESTER

MAR 21 1988

BUREAU OF LAND MANAGEMENT
ROSWELL RESOURCE AREA

*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
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM Oil Cons. Commission

Drawer DD

Artesia, NM 88210

LEASE DESIGNATION AND SERIAL

NM-32308

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 depth.)
Use "APPLICATION FOR PERMIT" for such proposals.

1. WELL TYPE OIL ☐ GAS ☒ WELL ☒ OTHER ☐	APR 18 '88	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR McKay Oil Corporation		8. FARM OR LEASE NAME L L & E Federal
3. ADDRESS OF OPERATOR Post Office Box 2014, Roswell, New Mexico 88201		9. WELL NO. #3
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1485' FWL & 660' FNL		10. FIELD AND POOL OR WILDCAT W. Pecos Slope Abo
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec. 12-6S-22E
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4177'	12. COUNTY OR PARISH Chaves
		13. STATE NM

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
FRAC TURE TREATMENT	RE-PLUG COMPLETE	FRAC TURE TREATMENT	ALTERING CASING
SHOOTING OR ACIDIZING	ABANDON*	SHOOTING OR ACIDIZING	ABANDONMENT*
REPAIR WELL	CHANGE PLANT	(Other) Spud	
OTHER			

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

17. (If well is plugged 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 the work.

Spudded 12 1/4" starter hole @ 9:15 p.m. on 3-23-88

RECEIVED
MAR 20 9 23 AM '88
BUREAU OF LAND MGMT
ROSWELL RESOURCE AREA

I hereby certify that the foregoing is true and correct

SIGNED

TITLE Production Analyst

DATE 3-25-88

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

ACCEPTED FOR RECORD PETER W. CHESTER DATE
APR 15 1988
BUREAU OF LAND MANAGEMENT ROSWELL RESOURCE AREA

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Alameda, NM 88210

Form approved
Budget Bureau No. 1004-4
Expires August 31, 1985

CLSF

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL ☐ GAS WELL ☒ OTHER ☐
2. NAME OF OPERATOR **McKay Oil Corporation**
3. ADDRESS OF OPERATOR **Post Office Box 2014, Roswell, NM 88201**
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface
1485' FWL & 660' FNL
14. PERMIT NO. **APR 18 '88**
15. ELEVATIONS (Show whether OF, RT, GR, etc.)
4177'

5. LEASE DESIGNATION AND SERIAL NO. **NM-32308**
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME **L L & E Fed.**
9. WELL NO. **#3**
10. FIELD AND POOL OR WILDCAT **W. Pecos Slope Abo**
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA **Sec. 12-6S-22E**
12. COUNTY OR PARISH **Chaves** 13. STATE **NM**

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
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) Surface csg.	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.)

3-25-88

RIH w/34 jts. 8 5/8", 24# casing (905'). Set @ 921'. Cemented w/150 sxs. Pacesetter Lite and 150 sxs. Class "C" w/3% CaCl. Plug down @ 2:15 a.m. 1" cementing. Ran Temp. survey, survey indicated TOC @ 400'. Cemented to surface in 8 stages using 280 sxs. Class "C" w/5% CaCl and 600 gals. zone lock.

Pressure tested 8 5/8" casing and BOP to 1000 psi. for 30 min. held ok. WOC 18 hrs.

RECEIVED
BUREAU OF LAND MANAGEMENT
ROSWELL RESOURCE AREA
MAR 23 9 40 AM '88

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

SIGNED Theresa Rodriguez

TITLE Production Analyst

DATE 3-28-88

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

ACCEPTED FOR RECORD
PETER W. CHESTER
DATE
APR 15 1988
BUREAU OF LAND MANAGEMENT
ROSWELL RESOURCE AREA

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Artesia, NM 88210

Form approved
Budget Bureau No. 1004-1
Expires August 31, 1985
5. LEASE DESIGNATION AND SERIAL

NM-32308

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

L L & E Federal

9. WELL NO.

#3

10. FIELD AND POOL OR WILDCAT

W. Pecos Slope Abo

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

Sec. 12-6S-22E

12. COUNTY OR PARISH 13. STATE

Chaves

NM

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

McKay Oil Corporation

3. ADDRESS OF OPERATOR

Post Office Box 2014, Roswell, New Mexico 88201

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

1485' FWL & 660' FNL

14. PERMIT NO.

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

4177' GL

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

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANE

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

Production csg.

(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.)*

3-30-88

RIH w/99 jts. 4½", 9.5#, J-55 csg. set @ 3154', cemented w/325 sx.

65/35 POZ, 5# salt, 0.2 FR, ¼# cello seal, plug down @ 8:30 a.m.

3-30-88. Displaced 4½" & 8 5/8" annulus w/air to 500' while cmt'ing.

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

SIGNED

Theresa Rodriguez

TITLE Production Analyst

DATE 4-20-88

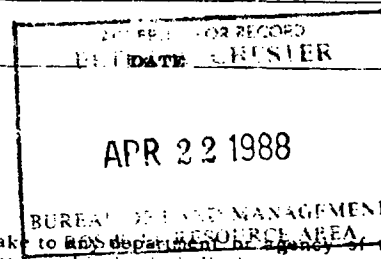
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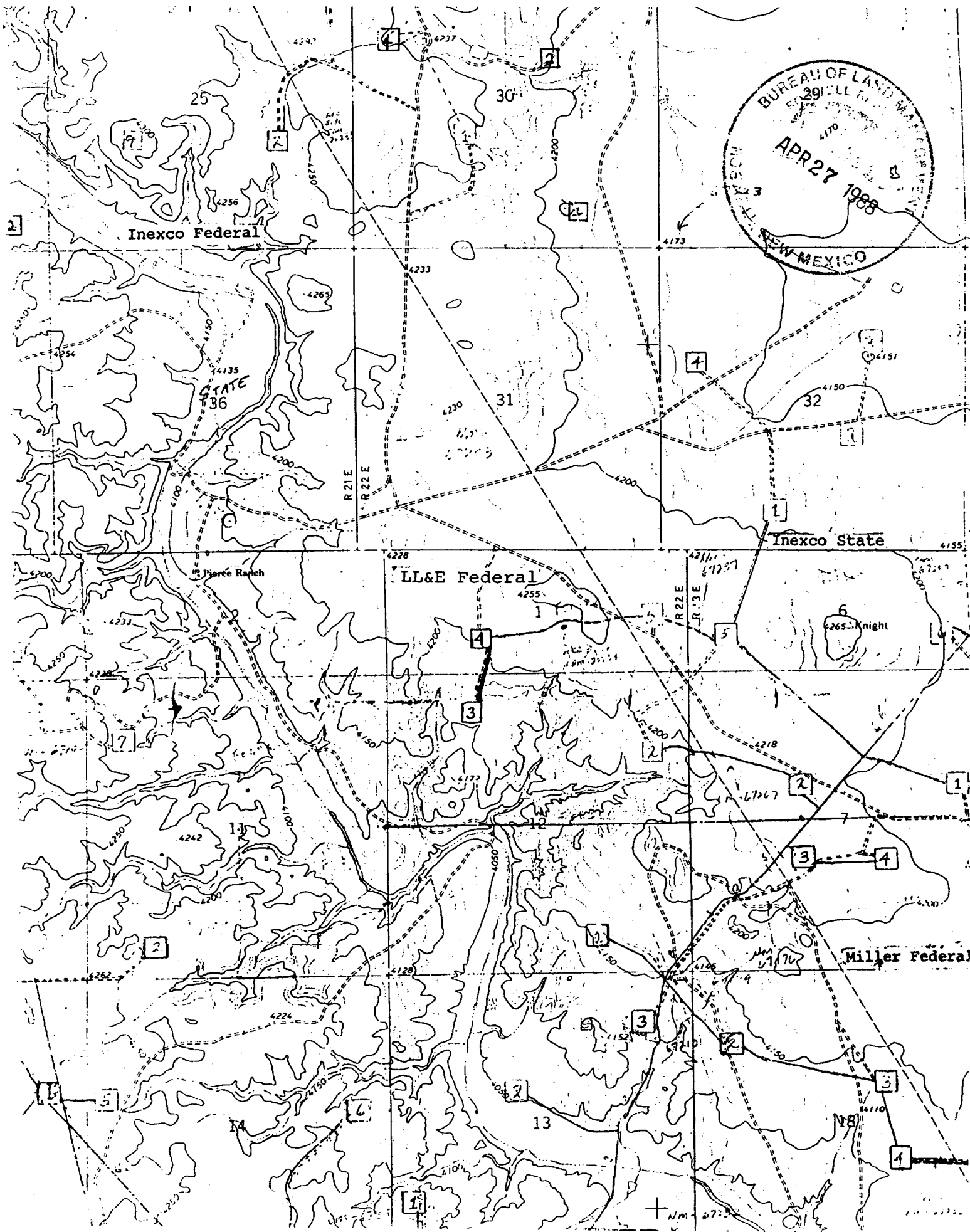
APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side





UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate
NM Oil and Gas Division
Drawer DD
Artesia, NM 88210

Form approved
Budget Bureau No. 1004-1
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL

NM-32308

6. IF INDIAN, ALLOTTEE OR TRIBE

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. WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

McKay Oil Corporation

3. ADDRESS OF OPERATOR

P.O. Box 2014, Roswell, New Mexico 88202

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

1485' FWL & 660' FNL

MAY 09 '88

14. PERMIT NO.

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

4177' GR

O. C. D.

ARTESIA, OFFICE

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

L L & E Federal

9. WELL NO.

3

10. FIELD AND POOL OR WILDCAT

W. Pecos Slope-Abo

11. SEC., T., R., M., OR B.L. AND
SURVEY OR AREA

Sec. 12, T6S, R22E

12. COUNTY OR PARISH 13. STATE

Chaves

N.M.

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

Pipeline Connection

X

SUBSEQUENT REPORT OF:

WATER SHUT OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

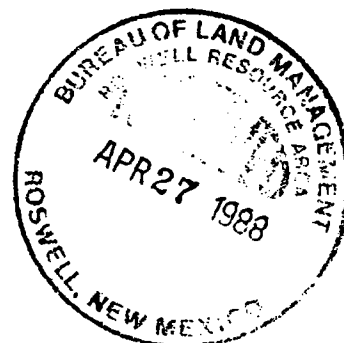
ABANDONMENT*

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

17. LOCATIONS 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.)

Operator proposes to lay a 2" steel pipeline along the east side of the access road to the L L & E Federal #4 location. Said route shall be within the cleared route for the access road and will not require an additional archaeological survey. Pipeline will be buried a minimum of 12" along said route.

See attached topographic map.



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

SIGNED

Jerry V. Franklin

TITLE

Agent

DATE 4/27/88

(This space for Federal or State office use)

APPROVED BY /s/ Sharlett Atchely

TITLE for Area Manager

DATE 5-2-88

CONDITIONS OF APPROVAL, IF ANY:

Conditions of approval, if any:

This authorization is subject to the condition that all or part might be converted to a right-of-way grant in the future. Attached are two pages of stipulations which also apply. 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.

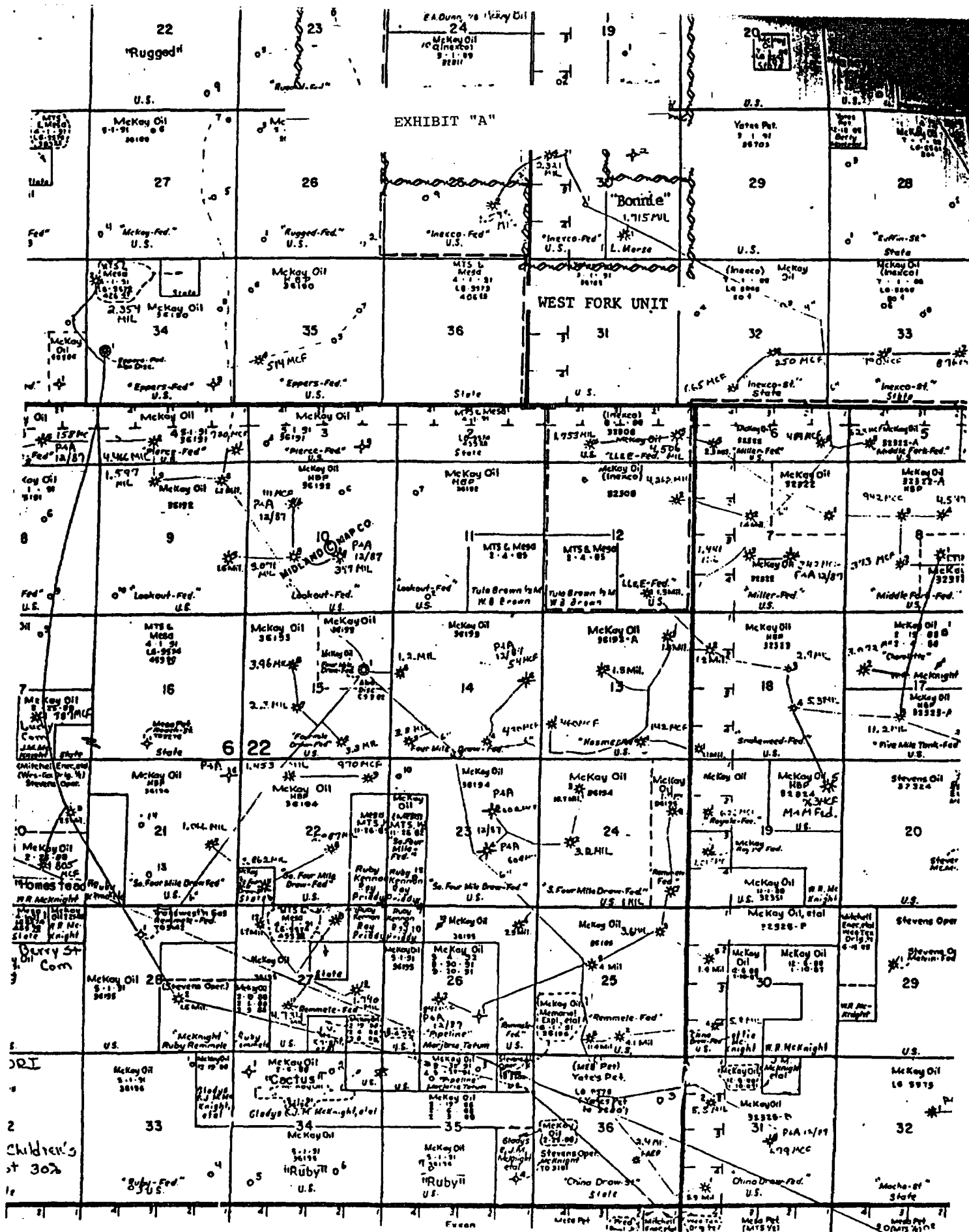


EXHIBIT "B"

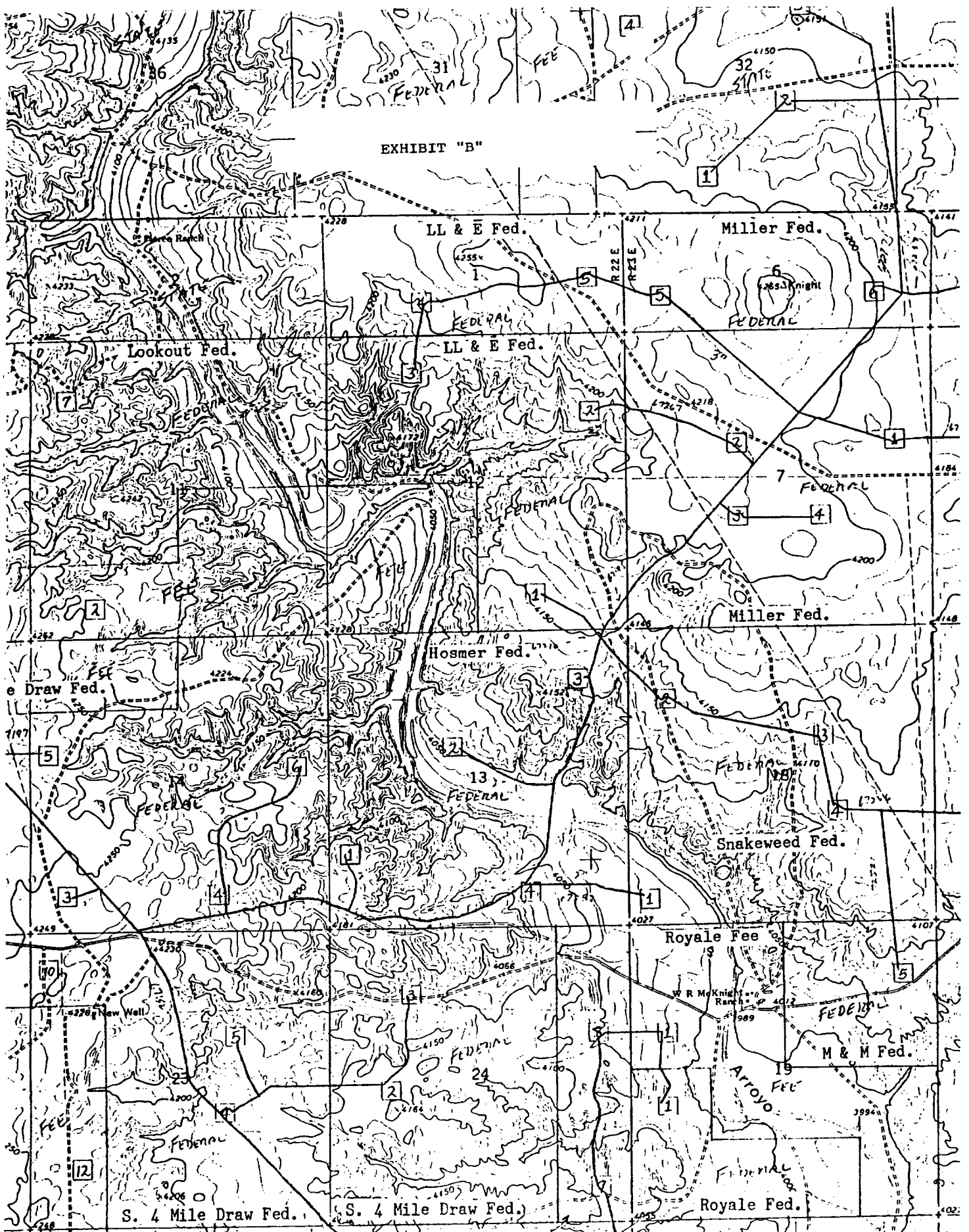


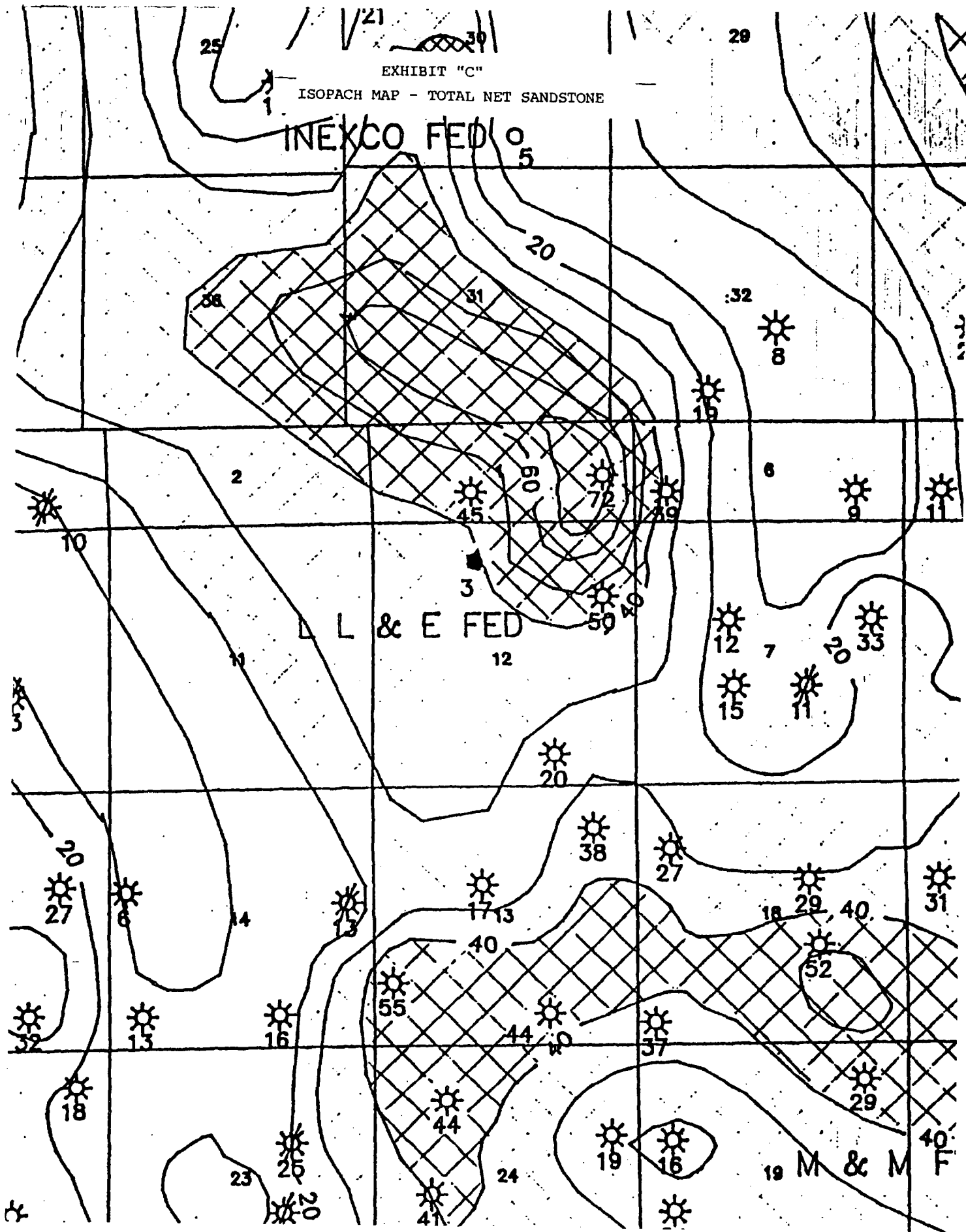
EXHIBIT "C"

ISOPACH MAP - TOTAL NET SANDSTONE

INEXCO FED

L L & E FED

19 M & M F



CONFIDENTIAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

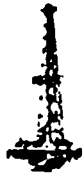
Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other <u>RECEIVED</u>		5. LEASE DESIGNATION AND SERIAL NO. NM-32308	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. REVR. ☐ Other ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR McKay Oil Corporation		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR Post Office Box 2014, Roswell, New Mexico 88201		8. FARM OR LEASE NAME L L & E Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1485' FWL & 660' FNL At top prod. interval reported below At total depth		9. WELL NO. 3	
14. PERMIT NO.		10. FIELD AND POOL, OR WILDCAT W. Pecos Slope Abo	
DATE ISSUED		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 12-6S-22E	
15. DATE SPUDDED 3-23-88		12. COUNTY OR PARISH Chaves	
16. DATE T.D. REACHED 3-29-88		13. STATE NM	
17. DATE COMPL. (Ready to prod.) 4-29-88		18. ELEVATIONS (DP, RKB, RT, OR, ETC.)* 4177'	
19. SLEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD 3375'	
21. PLUG BACK T.D., MD & TVD 3113'		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 2962' - 2980' Abo	
25. WAS DIRECTIONAL SURVEY MADE Yes		26. TYPE ELECTRIC AND OTHER LOGS RUN Cyberlook; DLL/MSFL; GR; PRL; CNL/LDL; CBL	
27. WAS WELL CORRED No		28. CASING RECORD (Report all strings set in well)	
CASING SIZE		WEIGHT, LB./FT.	
8 5/8"		24#	
4 1/2"		9.5#	
DEPTH SET (MD)		HOLE SIZE	
921		12 1/4"	
3154'		7 7/8"	
CEMENTING RECORD		AMOUNT PULLED	
300 + 280 SXS.		none	
325 SXS.			
29. LINER RECORD		30. TUBING RECORD	
SIZE		SIZE	
TOP (MD)		DEPTH SET (MD)	
BOTTOM (MD)		PACKER SET (MD)	
SACKS CEMENT*		SCREEN (MD)	
2 3/8"		2763'	
31. PERFORATION RECORD (Interval, size and number) 2962' - 2980' 2 JSPF 37 holes - 0.35"		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
2962' - 2980'		Acidized w/2000 gal 7 1/2% Abo	
		Acid. 16500 gals 40# Linear	
		gel. 27750# 20/40 sd.	
33. PRODUCTION		34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)	
DATE FIRST PRODUCTION 5-5-88		TEST WITNESSED BY	
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing		Sold	
WELL STATUS (Producing or shut-in) Producing			
DATE OF TEST 4-20-88			
HOURS TESTED 4 hrs.			
CHOKED SIZE 16/64			
PROD'N. FOR TEST PERIOD →			
OIL—BBL. →			
GAS—MCF. 246			
WATER—BBL.			
GAS-OIL RATIO			
FLOW. TUBING PRESS. 808-416			
CASINO PRESSURE 888-495			
CALCULATED 24-HOUR RATE →			
OIL—BBL.			
GAS—MCF. 986			
WATER—BBL.			
OIL GRAVITY-API (CORR.)			
35. LIST OF ATTACHMENTS C-122; 2 copies of logs listed above: Deviation Survey			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED <u>Theresa Rodriguez</u> TITLE <u>Production Analyst</u> DATE <u>5-17-88</u>			

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

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):	38. GEOLOGIC MARKERS									
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	<table border="1"> <tr> <th data-bbox="300 69 349 262">NAME</th> <th data-bbox="300 262 349 451">TOP MEAS. DEPTH</th> <th data-bbox="300 451 349 1969">TRUE VERT. DEPTH</th> </tr> <tr> <td data-bbox="349 69 430 262">Abo</td> <td data-bbox="349 262 430 451">2785 (+1405)</td> <td data-bbox="349 451 430 1969"></td> </tr> </table>	NAME	TOP MEAS. DEPTH	TRUE VERT. DEPTH	Abo	2785 (+1405)	
NAME	TOP MEAS. DEPTH	TRUE VERT. DEPTH								
Abo	2785 (+1405)									



GRANDE DRILLING CORPORATION

J.P. White Building
P.O. Box 2487
Roswell, New Mexico 88201
(505) 623-9537



RECEIVED

April 1, 1988

MAY 27 '88

McKay Oil Corporation
P.O. Box 2014
Roswell, NM 88201

©.C.I.D.
ARTESIA OFFICE

Re: L.L. & E. Federal #3
NW/4, Section 12, T6S, R22E
Chaves County, New Mexico

Spud - 3/23/88

DEVIATION SURVEY

1/4"	@	586'
1/4"	@	936'
1/2"	@	1477'
1/2"	@	1970'
1/2"	@	2583'
1/2"	@	3013'
3/4"	@	3375'

TD - 3375'

Released - 3/31/88

Sincerely,

J.C. Johnson
President

STATE OF NEW MEXICO)
COUNTY OF CHAVES)

The foregoing instrument was
acknowledged before me this
1st day of April, 1988,
by the person known to me to
be J.C. Johnson.

My Commission Expires: 3/31/89

Notary Public

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

"CONFIDENTIAL"

NO. OF APPROVED WELLS	
PERMITTING DIVISION	
SANTA FE	
FILE	
U.S.G.S.	
LAND RECORDS	
TRANSPORTER	
OPERATION	
PRODUCTION OFFICE	
OPERATOR	

McKay Oil Corporation v

RECEIVED

Address

Post Office Box 2014, Roswell, New Mexico 88201

Reason(s) for filing (Check proper box)

New Well

☒

Recompletion

☐

Change in Ownership

☐

Change in Transporter of:

Oil

☐

Dry Gas

☒

Casinghead Gas

☐

Condensate

☐

Other (Please explain)

JUN 09 '88

O. C. S.
ARTESIA OFFICEChange of ownership give name
and address of previous owner

DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, including Formation	Kind of Lease	Lease
L L & E Fed.	3	W. Pecos Slope Abo	State, Federal or Fee	NM-32308

Location

Unit Letter C : 1485 Feet From The West Line and 660 Feet From The North

Line of Section 12 Township 6S Range 22E, NMPM, Chaves, Cal.

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☐ Address (Give address to which approved copy of this form is to be sent)Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒ Address (Give address to which approved copy of this form is to be sent)

New Mexico Gas Marketing, Inc.

Post Office Box 2014, Roswell, NM 88201

If well produces oil or liquids,
give location of tanks.

Unit

Sec.

Twp.

Rge.

Is gas actually connected?

When

Yes

5-5-88

If this production is commingled with that from any other lease or pool, give commingling order number:

COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res't.	Diff. R.
		X	X					
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
3-23-88	4-29-88	3375'	3113'					
Elevations (D.F., N.A.B., R.T., C.R., etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth					
4177	Abo	2962'	2763'					
Perforations			Depth Casing Shoe					
2962' - 2980'								

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
12 1/2"	8 5/8"	921'	300 + 280 SXS.
7 7/8"	4 1/2"	3154'	325 SXS.
	2 3/8"	2763'	

TEST DATA AND REQUEST FOR ALLOWABLE
OIL WELL(Test must be after recovery of total volume of load oil and must be equal to or exceed top of
able for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Dble.	Water-Dble.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Dble. Condensate/MMCF	Gravity of Condensate
986	4 hrs.		
Testing Method (pilot, back pr.)	Tubing Pressure (Shot-In)	Casing Pressure (Shot-In)	Choke Size
back pr.	940	942	

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 and complete to the best of my knowledge and belief.*Theresa Rodriguez*
(Signature)Production Analyst
(Title)June 8, 1988
(Date)

OIL CONSERVATION DIVISION

APPROVED SEP 30 1988, 19

BY Original Signed By
Mike Williams

TITLE

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deep
well, this form must be accompanied by a tabulation of the device
tests taken on the well in accordance with RULE 111.All sections of this form must be filled out completely for all
able on new and recompleted wells.Fill out only Sections I, II, III, and VI for changes of
well name or number, or transporter, or other such change of condi-
tion. Sections I, II, III, and VI must be filled for each pool in multi-

McKay Oil Corporation
 L. L. & E Federal #3
 NW/4 Sec. 12, T-6-S, R-22-E
 Chaves County, New Mexico
 West Pecos Slope Abo
 CAOF: 986, 72 hr. SITP - 940#
 SITP Test: 7-89, 24 hrs = 379#

11-89 Production - 1080 MCF
 11-89 Cumulative Production - 33,311 MCF
 Estimated Gross Reserves = 105,600 MCF
 Gross Reserves Volumetric = 764,589 MCF

Directional surveys will be ran:

CASE # _____

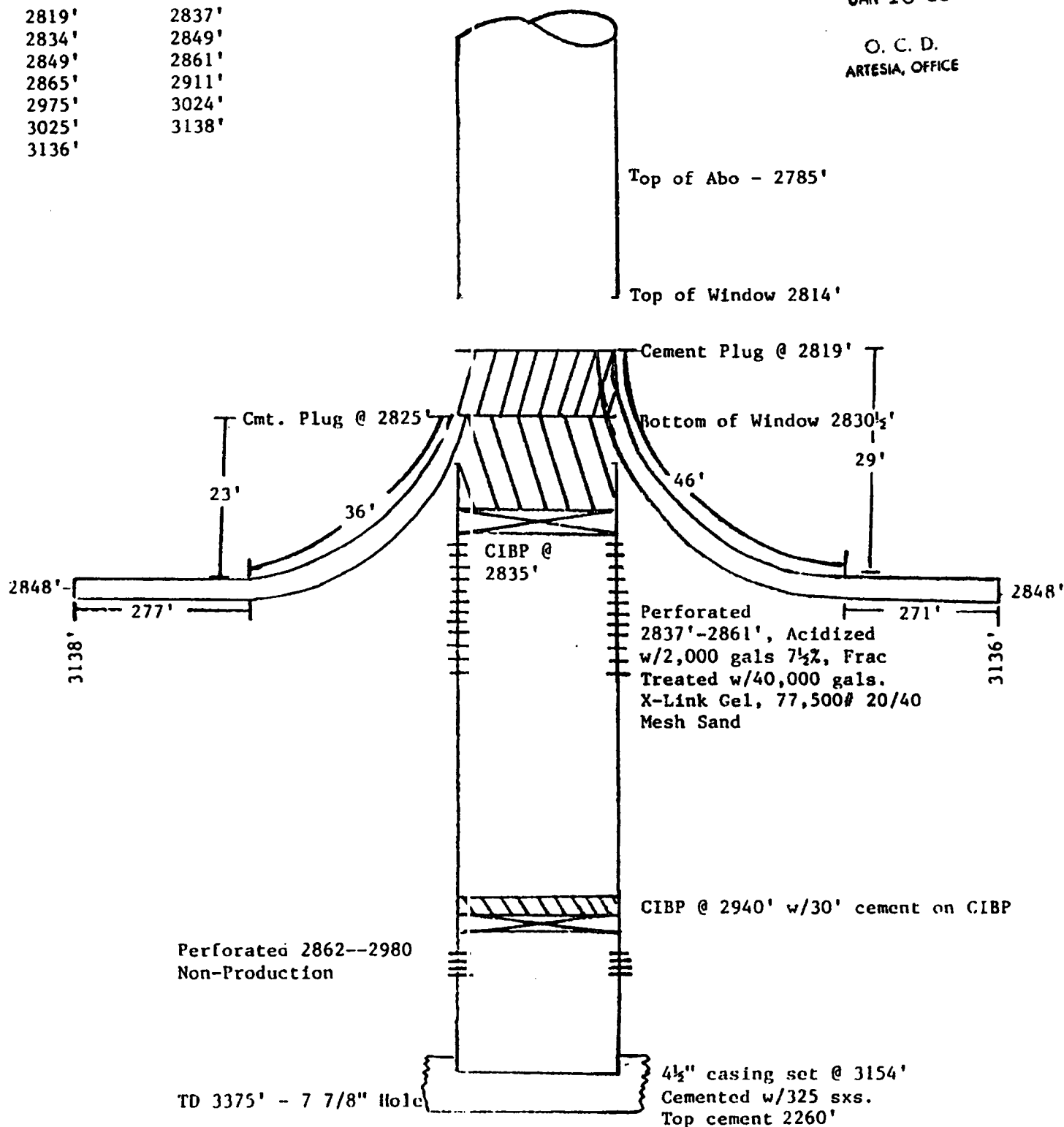
RECEIVED

EXHIBIT # _____

Arc #1	Arc #2
2819'	2837'
2834'	2849'
2849'	2861'
2865'	2911'
2975'	3024'
3025'	3138'
3136'	

JAN 16 '90

O. C. D.
 ARTESIA, OFFICE



Confidential
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

EXPIRATION DATE
(Other District)
88210

Revised Bureau Form 1100-5
Expires May 31, 1985
LEASE DESIGNATION AND SERIAL

NM-32308

IF INDIAN, ALLOTTEE OR TRIBE

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. WELL TYPE
OIL ☐ GAS ☒ WELL ☒ OTHER

2. NAME OF OPERATOR
McKay Oil Corporation

3. ADDRESS OF OPERATOR
Post Office Box 2014, Roswell, NM 88201

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

1485' FWL & 660' FNL

14. PERMIT NO.

15. ELEVATIONS (Show whether DE, RL, OR, etc.)

4177'

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
L L & E Fed.

9. WELL NO.

#3

10. FIELD AND POOL OR FIELD

W. Pecos Slope Abo

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

Sec. 12-6S-22E

12. COUNTY OR PARISH
Chaves

13. STATE
NM

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

FRAC TREATMENT

MULTIPLE COMPLETION

FRAC TREATMENT

ALTERING CASING

SHOOT OR ABANDON

ABANDON*

SHOOTING OR ABANDON

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other)

Horizontal Drilling

(Note: Report results of multiple completion on Well Completion or Recombination 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 zones pertinent to this work.)

1. Set CIBP @ 2834.5'.

2. Cut window in 4 1/2" casing from 2814' to 2832', 18'.

3. Spot cement plug from 2834' to 2770'. WOC 48 hrs.

4. Drill out cement plug to 2819'.

5. Horizontally drill approximately 300' from existing well bore @ 2848' to the West. Estimated location of the bottom of the hole will be 660' FNL & 1184' FWL, Sec. 12-6S-22E.

6. Drill out cement plug to 2826'. Horizontally drill approximately 300' from existing well bore @ 2848' to the East. Estimated location of the bottom of the hole will be 729' FNL & 1776' FWL, Sec. 12,6S-22e.

7. Run directional surveys to determine location of bottom of holes.

8. Run tubing and production test.

9. Build 40' x 10' x 5' workover pit in same location as old reserve pits.

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

SIGNED

TITLE Operations Manager

DATE 12-11-89

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

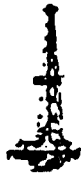
TITLE

SUBJECT TO LIKE
APPROVAL BY STATE

APPROVED
PETER W. CHESTER

DEC 14 1989

*See Instructions on Reverse Side



GRANDE DRILLING CORPORATION

J.P. White Building
P.O. Box 2487
Roswell, New Mexico 88201
(505) 623-9537



RECEIVED

April 1, 1988

JAN 16 '90

O. C. D.
ARTESIA, OFFICE

McKay Oil Corporation
P.O. Box 2014
Roswell, NM 88201

Re: L.L. & E. Federal #3
NW/4, Section 12, T6S, R22E
Chaves County, New Mexico

Spud - 3/23/88

DEVIATION SURVEY

1/4"	@	586'
1/4"	@	936'
1/2"	@	1477'
1/2"	@	1970'
1/2"	@	2583'
1/2"	@	3013'
3/4"	@	3375'

TD - 3375'

Released - 3/31/88

Sincerely,

J.C. Johnson
President

STATE OF NEW MEXICO)
COUNTY OF CHAVES)

The foregoing instrument was
acknowledged before me this
1st day of April, 1988,
by the person known to me to
be J.C. Johnson.

My Commission Expires: 3/31/89

Notary Public

McKay Oil Corporation

ROY L. MCKAY, PRESIDENT

HOME OFFICE, P.O. BOX 2014 ROSWELL, N.M. 88202 • TELEPHONE 505/623-4735

OPERATOR: McKay Oil Corporation
WELL NAME: L L & E Federal #3
PROSPECT: Pecos Abo - Inexco
ID #: NM-32308
LOCATION: 660' FNL & 1980' FWL
NW/4 Section 12-6S-22E
Chaves County, NM

PROPOSED TD: 3400'
SPUD DATE: 3-23-88
ELEVATION: 4177'

"CONFIDENTIAL"

3-8-90 SD WO Sidewinder to by pass ARC and drill new lateral.

RECEIVED

MAR 14 '90

O. C. D.
ARTESIA, OFFICE

McKay Oil Corporation

ROY L. MCKAY, PRESIDENT

HOME OFFICE, P.O. BOX 2014 ROSWELL, N.M. 88202 • TELEPHONE 505/623-4735

OPERATOR: McKay Oil Corporation
WELL NAME: L L & E Federal #3
PROSPECT: Pecos Abo - Inexco
ID #: NM-32308
LOCATION: 660' FNL & 1980' FWL
NW/4 Section 12-6S-22E
Chaves County, NM

PROPOSED TD: 3400'
SPUD DATE: 3-23-88
ELEVATION: 4177'

"CONFIDENTIAL"

2-28-90 RIH w/impression block on sand line. Impression shows 2 lobes of flex collar looking up. TIH w/drill pipe & box tap. Could not catch fish. TOH to check tap. Dropped down on pipe hard. Tap showed 2 places that indicates tap not going completely over fish. Will try & weld a cut lip guide on end to kick pipe over to middle of tap. SDON.

Daily Cost: \$1,100 Cumulative Cost: \$74,455

3-1-90 SD to build cut lip guide & re-tap threads in box tap.

Daily Cost: \$55 Cumulative Cost: \$74,510

3-2-90 TIH w/box tap to attempt to catch fish. Built cut up guide & re-tapped threads. TOH. Didn't catch fish. Lost cut lip Guide in hole. TIH w/magnet to retrieve guide. Couldn't retrieve guide. So tried to locate 3 1/4" overshot. Order overshot 3 1/4" grapple from Bowen.

Daily Cost: \$1,035 Cumulative Cost: \$75,490

3-3-90 SD. WO Fishing Tool
to

3-5-90 SD WO Fishing Tool. Run lead impression block to check if cut lip guide is preventing getting overshot down. Had same indications as last. No sign of cut lip guide. SD.

Daily Cost: 0 Cumulative Cost: \$75,490

3-6-90 SD WO Fishing Tool. Received fishing tool - 4:30 p.m.

Daily Cost \$1,550 Cumulative Cost: \$77,440

3-7-90 TIH w/3 1/4" overshot & cut up guide. RU foam air to circulate. Dropped 10" w/tbg. Blew hole dry. TOH to ck for fish. Did not catch fish. Cut lip guide had pieces broke off. Pipe did not slip up into bowl of overshot. Ran lead impression block Showed one lobe at an angle showing that collar may be dug into side of wall. Called for 1 1/16"x3 1/16" Taper Tap. TIH w/tap Tagged up. Rotated. Went down 12" set 4 points of weight down Did not see any signs of torque. Did not pull any weight when coming up. TOH w/tap. SDON

Daily Cost: \$2,350 Cumulative Cost: \$79,390

McKay Oil Corporation

ROY L. MCKAY, PRESIDENT

HOME OFFICE, P.O. BOX 2014 ROSWELL, N.M. 88202 • TELEPHONE 505/623-4735

OPERATOR: McKay Oil Corporation
WELL NAME: L L & E Federal #3
PROSPECT: Pecos Abo - Inexco
ID #: NM-32308
LOCATION: 660' FNL & 1980' FWL
NW/4 Section 12-6S-22E
Chaves County, NM

PROPOSED TD: 3400'
SPUD DATE: 3-23-88
ELEVATION: 4177'

"CONFIDENTIAL"

2-22-90 TIH w/6 stands. Slight gas show. Tagged up on Kelly.
Drill . Circulate hole clean for 20 min. TOH w/tbg. SD
to run sandline & pour rope socket to run surveys. Went to bottom.
Survey #1 = Measured Depth - 2957.5'
 Camera Depth - 2955.25'
 Inclination 85° Azimuth N-73°-E TVD - 2865.86'
Laid down survey tool SDON.

Daily Cost: \$4,900 Cumulative Cost: \$63,621

2-23-90 Picked up 12 flex collars & TIH w/gentle riser. Tagged up @ 2829'
129' high. PU Kelly broke circulation. Drilled Kelly down.
Getting Red Shale returns - Suggests that hole caved in. Hole would
not clean up SD. Ordered saturated Brine & SHale inhibitor to
inhibit shale. Pumped brine down tbg. to cover shale zone. Let
set overnight. SDON.

Daily Cost: \$4,480 Cumulative Cost: \$68,100

2-24-90 TIH w/Kelly. Did not tag. Pumped 10 bbls of Brine & SHale
inhibitor. Power swivel had water in oil. Could not RU Power
Swivel Continued to drill w/Kelly. Drilled 70'. Could not get
joint down. Changed oil in Power Swivel. Power Swivel would
lock up in torque. Order Star Tool Power Swivel. SDON.

Daily Cost: \$2,600 Cumulative Cost: \$70,700

2-25-90 RU Star Tool Power Swivel. Went down 2870'. Worked pipe down 15'
Pulled up, tagged up @ 2870'. Cleaned hole up for 20 min. TOH
to check flex collars. Found parted Flex collar #3. Left 44.81'
Flex collars & Gentle Riser in hole. Called Sidewinder to get slim
hole box tap & attempt to fish. SDON.

Daily Cost: \$1,575 Cumulative Cost: \$72,279

2-26-90 SD Waiting on fishing tool.

2-27-90 TIH w/3½" magnet to pick up lobes. Could not pick up lobes. TIH
w/40' flex collars, drill pipe & slim hole box tap to attempt to
fish pipe tagged up @ 2823' on hard metal. Rotated. Could not tell
if we got fish. TOH. Box tap showed wear on outer bottom edge.
SD. Order Lead Impression Block from Star Tool.

Daily Cost: \$1,075 Cumulative Cost: \$73,355

McKay Oil Corporation

ROY L. MCKAY, PRESIDENT HOME OFFICE, P.O. BOX 2014 ROSWELL, N.M. 88202 • TELEPHONE 505/623-4735

OPERATOR: McKay Oil Corporation
WELL NAME: L L & E Federal #3
PROSPECT: Pecos Abo - Inexco
ID #: NM-32308
LOCATION: 660' FNL & 1980' FWL
NW/4 Section 12-6S-22E
Chaves County, NM

PROPOSED TD: 3400'
SPUD DATE: 3-23-88
ELEVATION: 4177'

"CONFIDENTIAL"

02-16-90 SD due to high winds.

Daily cost: \$200 Cumulative Cost: \$33,719

02-17-90 TOH w/Pilot Hole Assembly. Test ABA for signal & latch ring tolerance. TIH w/ABA & 41' of flex collars. Unloaded Hole Begin drilling Arc. Drilled 9.5'. Samples show red shale, Silty shale. Cleaned hole. SDON.

Daily cost: \$5,400 Cumulative Cost: \$39,119

02-18-90 Resumed drilling. Drilled 9'. Samples show siltstone & sandstone. Made connection. Could not get to bottom. Pipe stuck. Worked pipe & rotated. Freed pipe. Went to bottom. Drilled 3 min. Made no hole. TOH to check bit & tool. Knuckle joint hold downs backed out. Ran 6 surveys (camera depths)

- (1) 2836.75' = 55° - N - 74° E
- (2) 2834.75' = 47° - S - 71° E
- (3) 2832.75' = 40° - N - 71° E
- (4) 2828.75' = 25° - N - 76° E
- (5) 2824.75' = 8° - N - 71° E
- (6) 2820.75' = 0°

Calculated bottom hole survey = 63° N-74°-E. Drilled a total of 18.5'. SDON.

Daily Cost: \$5,411 Cumulative Cost: \$44,530

02-19-90 TIH w/under reamer to ream out Arc. TOH. TIH w/75" flex pipe & gentle riser. Drilled 7'. Cleaned Hole SDON.

Daily Cost: \$4,611 Cumulative Cost: \$49,140

02-20-90 Make Connection. Resume Drilling. Drill 30'. Avg. ROP - 20ft/hr. Total Depth 2877'. TOH. RU to run surveys.

Survey #1 - 2866.75 73° N-71°-E
Survey #2 - 2875.75 73° N-71°-E
Bottom 2879.00 76° N-71°-E
TUD = 2849.35

Ran into crown w/sinkerbars SDON to repair unit. Total Depth drilled 58.50'

Daily Cost: \$5,220 Cumulative Cost: \$54,360

02-21-90 TIH w/8 flex collars & gentle riser. to TD. Drilled 76', ROP = 17/PH. Circulated hole clean. Pulled 180'. SDON.

Daily Cost: \$4,360 Cumulative Cost: \$58,721

McKay Oil Corporation

ROY L. MCKAY, PRESIDENT

HOME OFFICE, P.O. BOX 2014 ROSWELL, N.M. 88202 • TELEPHONE 505/623-4735

OPERATOR: McKay Oil Corporation
WELL NAME: L L & E Federal #3
PROSPECT: Pecos Abo - Inexco
ID #: NM-32308
LOCATION: 660' FNL & 1980' FWL
NW/4 Section 12-6S-22E
Chaves County, NM

PROPOSED TD: 3400'
SPUD DATE: 3-23-88
ELEVATION: 4177'

"CONFIDENTIAL"

12-28-89 TIH to tag cement top. Cement top @ 2793'. TOH w/tbg. PU
bit & drill collars. TIH to 2500'. SDON.

12-29-89 TIH to 2793' to drill out cement plug. Pressure tested to 800#
held good. Started drilling cement. Cement was soft. No hard
cement returns. When drilling inside of sectioned csg., began
losing fluid. Drilled out cement to 2832'. Circultaed hole 30
min., lost 9 BF. TOH. TIH w/tbg. open ended. Run swab to
check fluid level. Fluid level @ 600'. Will re-cement in the
a.m. SDON.

12-30-89 TIH w/swab to check fluid level. Fluid level @ 1400'. RU
Western to set 20 sxs 2% CaCl Class "H" cement. Under dis-
placed cement w/7.8 bbls. flush to keep full Hydrostatic Head
off of formation. TOH w/tbg. TIH w/bit, drill collars & tbg.
to 2250' SDON. WOC 72 hrs.

12-31-89
thru
1-02-90 SI

01-03-90 TIH to tag cement. Cement top @ 2633'. Drill out cement.
First 60' mix of hard & soft cement. Second 60' hard crispy
cement. Drilled to 2814'. Marked tank to check for fluid loss.
No fluid loss. Drill hard cement to 2820'. Laid down tbg. &
collars. RD PU. Released Star Tool. WO re-entry company.

02-13-90 MI PU & Foam-Air Compressor Unit.

 Daily Cost: \$400 Cumulative Cost: \$27,000

02-14-90 RU PU & BOP. MI Jim's Water Service Frac Tank. Hauled produced
water to frac tank. SD.

 Daily Cost: \$650 Cumulative Cost: \$27,650

02-15-90 TIH w/Pilot Hole Assembly & DP. Tagged up @ 2815'. Nipple
up BOP & Drilling Head. Hook up Line to pit. RU Foam Air
to unload hole. Drill 5½' of Pilot Hole - 2820.5'. SD due
to high winds.

 Daily cost: \$5,875 Cumulative Cost: \$33,519

McKay Oil Corporation

ROY L. MCKAY, PRESIDENT HOME OFFICE, P.O. BOX 2014 ROSWELL, N.M. 88202 • TELEPHONE 505/623-4735

OPERATOR: McKay Oil Corporation
WELL NAME: L L & E Federal #3
PROSPECT: Pecos Abo - Inexco
ID #: NM-32308
LOCATION: 660' FNL & 1980' FWL
NW/4 Section 12-6S-22E
Chaves County, NM

PROPOSED TD: 3400'
SPUD DATE: 3-23-88
ELEVATION: 4177'

"CONFIDENTIAL"

12-17-89 8:15 Circulated mud in tank, viscosity 39. Resumed milling. Approximately 1 foot/hour. Milled 5 foot. Power Swivel went out, circulated hole clean. TOH to check tool. Tool was not worn to show milling out of casing. Installed cut out blades on sectioning tool. Run 3½" magnet on wireline to retrieve cutting left in hole. Very little cuttings in hole. SDON.

12-18-89 TIH w/section mill to cut out of casing. Viscosity 37, PH - 6. RU Power Swivel. Begin to cut out casing. Estimated cut out in 35 min. Begin to attempt to re-section 5 foot. Milling, getting good returns of metal & cement. Milled 4' in 3½ hours. Circulated hole TOH to change cutters. Ran magnet. TIH w/sectioning tool to continue milling. Caught torque @ 2816'. Re-milled 1 ft. Viscosity 40, PH 6.5. Circulated hole. Cement & metal returns. SDON. Depth @ 2815'.

12-19-89 Re-Section csg 2815'-18', solid csg, 2818'-20'. 2 p.m. TOH, installed new blades, TIH. Re- sect. 2817'-20' + 4". Circ. hole, 35 vis. SDON.

12-20-89 Mix 10 sxs mud. Start up 2824'. Good returns of cement. From 2824 - 28.75'. Lost cement returns. Tool remaining inside of csg. Circulate hole. TOH. Release Smith International. SDON.

12-21-89 SI

12-22-89 Picked up Wilson Downhole Sectioning tool, TIH. Sectioned csg. 2824'-28.75. 2828.75-30.5, lost cir. Pick-up, circulated hole 20 min. TOH. Released Wilson. Run 3½" magnet on sandline to retrieve cuttings. SDON.

12-23-89 SI. Waiting on cementing equipment.

12-24-89
thru
12-26-89 Same as above

12-27-89 TIH w/tbg. Tallied CIBP. RU Western to set 10 sxs. cement plug. from 2834'-2704'. TOH. Pulled 600' pipe. SDON. WOC 48 hrs. Fluid level @ 2200'. 32 bbls to break circulation. Pumped 2 bbls, Class "H", 17.5#/gal. cement. Will tag cement 12-28-89.

McKay Oil Corporation

ROY L. MCKAY, PRESIDENT HOME OFFICE, P.O. BOX 2014 ROSWELL, N.M. 88202 • TELEPHONE 505/623-4735

OPERATOR: McKay Oil Corporation
WELL NAME: L L & E Federal #3
PROSPECT: Pecos Abo - Inexco
ID #: NM-32308
LOCATION: 660' FNL & 1980' FWL
NW/4 Section 12-6S-22E
Chaves County, NM

PROPOSED TD: 3400'
SPUD DATE: 3-23-88
ELEVATION: 4177'

"CONFIDENTIAL"

8-31-88 MI RU PU & BOP. TOH w/tbg. TIH w/TBG & Model R Packer. Set Pkr. @ 2770'. SDON.

9-1-88 RU Dowell to pump 5 stages of acid/N₂, 760 gals 7½% acid 7200 SCF N₂

Stage 1: 152 gals. 7½% Acid, 1440 Scf N₂, 95 bbl overflush pumped @ 1220# @ 4.8 BPM. ISDP-1100#. Flowed back 1½ hrs. Occasional slugs.

Stage 2: 152 gals 7½% Abo Acid, 1440 Scf N₂, 95 bbl overflush, pumped @ 960# 4.6 BPM, 1350# ISDP. Flowed back 3 hrs.

Stage 3: 152 gals. 7½% Abo Acid, 1440 Scf, 95 bbls, overflush, pumped 1200#. 4.5 BPM. ISDP - 1350#. Left well flowing overnight. 270 BLTR Occasional small slugs

9-2-88 Well dead. Made 2 SR, Fluid level @ 800' from SN. 2 BF, 268 BLTR.

Stage 4. 152 gals 7½% Abo acid, 1440 Scf, 95 BBLS overflush. Pumped @ 1600#. 4.6 BPM 1470# ISDP. Flowed to pit 2 hrs. Occasional slugs.

Stage 5: 152 BBLS gals. 7½% Abo Acid, 1440 Scf, 95 BBLS overflush. Pumped @ 1620#. 4.4 BPM, ISDP - 1460#. Left flowing overnight. 450 BLTR.

9-3-88 Well dead. Made 9 SR, 10 BF, 440 BLTR. SION.

9-4-88 SITP - 290#. SICP - 290#. Opened well up 13/64 down the line. Returned to production.

RE-ENTRY

12-15-89 MI RU PU. Pull tubing. Tally our of hole. Flanged well head. Left well open. SDON.

12-16-89 Set CIBP @ 2835½. PBSD 2834½' w/Schlumberger CIBP. PU section mill. RIH to 2814'. RU Schlumberger to run GR-Correlation Log to check depth. Begin to section casing w/Smith International sectioning mill from 2814' to 2832'. Sectioned out 1 foot of pipe. Circulated hole for 30 min. SDON.

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Artesia, NM 88210

NM Oil Conservation Commission
Budget Bureau No. 1004-1.35
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

NM - 32308

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT ASSIGNMENT NAME

8. FARM OR LEASE NAME

LL&E Federal

9. WELL NO.

3

10. FIELD AND POOL OR WILDCAT

W. Pecos Slope Abo

11. SEC., T., R., E., OR S.E., AND SURVEY OR AREA

Sec 12-6S-22E

12. COUNTY OR PARISH

Chaves

13. STATE

NM

SUNDRY JOBS 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

AUG 09 1991

O. C. D.
ARTESIA, OFFICE

1. OIL WELL ☐ GAS WELL ☒

2. NAME OF OPERATOR

McKay Oil Corporation

3. ADDRESS OF OPERATOR

P.O. Box 2014, Roswell, New Mexico 88202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*

See also space 17 below)
At surface

660' FNL & 1485' FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether OF, ST, CR, etc.)

4177' GL

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 COMPLET

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Reply for I-N-C

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

X

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

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (If fully 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.)*

Incidents of Non-Compliance issued by Mr. Vic Coats on 6-27-91.

Due to pending litigation the LLE #3 well has been put on hold.

Our intentions are to return the well to production after determination

of responsibility for the loss of the horizontal hole. McKay plans to within

180 days return the existing well to a producing status or abandon the hole.

JUL 31 8 10 AM '91

RECEIVED

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

SIGNED

TITLE

Engineer

DATE

July 30, 1991

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED FOR 6 MONTH PERIOD
ENDING 2/6/92

*See Instructions on Reverse Side

DATE

APPROVED

PETER W. CHESTER

AUG 6 1991

BUREAU OF LAND MANAGEMENT
ROSWELL RESOURCE CENTER

N.M. Oil Cons. Div-Dist. 2
UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
1301 W. Grand Avenue
Alamosa, NM 88210

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

5. Lease Serial No.
6. If Indian, Allottee or Tribe Name
7. If Unit or CA/Agreement, Name and/or No
8. Well Name and No. LL&E Federal #3
9. API Well No. 30-005-62462
10. Field and Pool, or Exploratory Area WEST PECOS ABO SLOPE
11. County or Parish, State CHAVES COUNTY, NM

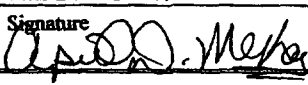
1. Type of Well ☐ Oil Well ☒ Gas Well ☐ Other		RECEIVED JUL 22 2004 OBB-ARTESIA
2. Name Of Operator MCKAY OIL CORPORATION		
3a. Address P.O. BOX 2014 ROSWELL, NM 88202-	3b. Phone No. (include area code) 505-623-4735	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 12, T6S, R22E Chaves County, NM 660' FNL & 1485' FWL		

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☒ Recomplete	☐ Other _____
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Described Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

MCKAY OIL CORPORATION due to an incompilance requested an extension on 6/25/04 to get parts and vendors in place. McKay Oil Corporation proposes to re-enter the LL&E Federal #3 well bore, set CIBP at about 2750, a whipstock, cut a window in the 4 1/2csg and drill a deviated hole down to 2900 ft. Set 2 3/8 tubing as a liner, perforate the ABO sand zone and stimulate.

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) APRIL D. MCKAY	Title VICE PRESIDENT
Signature 	Date 7/9/04

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By 	Title PF	Date 7/20/05
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office RF	

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.

N.M. Oil Cons. DIV-Dist. 2

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
1301 W. Grand Avenue
Arapahoe, NM 88210

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side
RECEIVED

5. Lease Serial No.
Nm 32308

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No

8. Well Name and No.
LL&E Federal #3

9. API Well No.
30-005-62462

10. Field and Pool, or Exploratory Area
W. Pecos Abo Slope

11. County or Parish, State
Chaves County, NM

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name Of Operator
MCKAY OIL CORPORATION

3a. Address
P.O. BOX 2014 ROSWELL, NM 88202-

3b. Phone No. (include area code)
505-623-4735

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 12, T6S, R22E 1484' FWL & 660' FNL

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other _____
	☐ Change Plans	☒ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Described Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

McKay Oil Corporation requests to Plug and Abandon the LL&E Federal #3. Plugging Procedure is as follows:

- Run in hole with CIBP on tubing to depth 2750' (top of the window 2783' bottom of window is 2788').
- Set 50 ft of cement plug above the CIBP, top of cement and plug 2700'
- RWL and perforate the 4 1/2 csg at a depth of 980' (50' below the surface csg shoe)
- RIH w/packer 2 3/8 tbg. Set tbg at 900'.
- Establish injection date, then pump 20 sks of Class "C" cement displace cement to 930', unset packer and pull one stand and reverse out excess cement.
- Pump 10 sks of cement at the surface. Put deadman markers at surface
- Return location to original state.

Perf @ ± 50' + 891.02

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

Name (Printed/Typed)
April D. McKay

Signature


Title
Vice President

Date
7/28/04

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By
David R. Gars

Title
PE

Date
7/28/04

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office
RFO

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.

LL&E Federal #3 Plugging Procedure

Reason to Plug & Abandon

From the open hole logs, there is no other productive zone above 2830'. The reason for the P&A is that tools were lost in the open hole and could not be retrieved, then on the attempt to side track we ran into more problems.

Plugging Procedure

1. Run in hole with CIBP on tubing to depth 2750' (top of the window 2783' bottom of window is 2788').
2. Set 50 ft of cement plug above the CIBP, top of cement and plug 2700' /
3. RWL and perforate the 4 ½ csg at a depth of 980' (50' below the surface csg shoe)
4. RIH w/packer 2 3/8 tbg. Set tbg at 900'.
5. Establish injection date, then pump 20 sks of Class "C" cement displace cement to 930', unset packer and pull one stand and reverse out excess cement.
6. Pump 10 sks of cement at the surface. Put deadman markers at surface
7. Return to location to original state

WELL S T R	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC 1988	FRD MP	ACCU
LEASE TOTAL OIL GAS WAT	15091 2	11611	17616 2	7818 3	8568 1	4376		491		696		8898	75165 8	244 244
KITCHENS PH 1K 6 9526E GAS WAT	223	154	287	189	179	41						9	1082	17523 21
MCCONKEY 1D10 9526E GAS OIL WAT	4901	3545	5545	2612	2934	1537						706	22184	832727 260 42
MCCONKEY HX 2K10 9526E GAS	138	71	52	11	127							61	460	9088
MCCREA SF COM 1C14 9525E GAS WAT	581	281	546	455	441	96						187	2587	34482 93
NIGHT OML AFG STATE COM 1122 9526E GAS												4088	4088	4088
1G22 9526E GAS												2298	2298	2298
LEASE TOTAL GAS												6386	6386	6386
RIVER BRIDGE UX STATE 1E 2 9525E GAS	16155	9540	16636	12279	10528	2228						5948	73214	135406
2L 2 9525E GAS	14948	8362	13888	10409	8730	1751						6785	64873	134837
LEASE TOTAL GAS	31103	17502	30524	22688	19258	3979						12733	138187	270243
SPEAR OA FEDERAL 1H 9 9526E GAS OIL WAT	8345	5762	9337	3991	4395	2211						3375	37416	661088
2D15 9526E GAS	14278	12643	18382	10062	9885	4099						9843	79192	982926
4P 9 9526E GAS			16601	19286	10264	3538						9467	59756	59756
LEASE TOTAL OIL GAS WAT	22623	18405	44320	33939	24544	9848						22685	176364	1703770
WHITWORTH RU STATE 3M12 9526E GAS		16597	27229	25831	12519	6059						9356	97591	97591
WITZ VN STATE 1D26 9526E GAS	5657	3251	5417	1788	2400	1762						551	20826	220013
COMPANY TOTAL OIL GAS WAT	84167 2	74530 34	166266 42	126159 38	104182 6	38620 1		1243	5789	7280	5801	93948	707987	4466044
PECUS SLOPE ABD. WEST (GAS)														

PECUS SLOPE ABD. WEST (GAS) AB OM TO SM

HARVARD PETROLEUM CORP.				*****														
ALTERED STATE																		
1N27 5522E GAS				3416	1448	3933	2431	2260	2072	1973	1805	1071		1740	1672	23721	51928	
DOUBLE "L"																		
4M33 5522E GAS				881	415	1110	957	762	23	782	459	412		512	401	6714	12266	
QUESO STATE																		
1M34 5522E GAS				430	233	773	707	631	488	316	357	314		325	323	4897	11728	
3J34 5522E GAS				1868	889	1499	938	747	1054	638	896	487		468	625	10109	25166	
4G34 5522E GAS				751	258	869	513	419	15	351	242	276		235	265	4194	8723	
LEASE TOTAL GAS				3049	1380	3141	2158	1797	1557	1305	1495	1077		1028	1213	19200	45217	
COMPANY TOTAL GAS				7346	3243	8184	5546	4819	3652	3960	3759	2560		3280	3286	45635	109411	
MCKAY OIL CORPORATION				*****														
APRIL FEDERAL																		
1J26 8522E GAS				LAST	PRCD.	DATE	04/86									S	25017	
2J27 8522E GAS				LAST	PRCD.	DATE	04/86									S	68498	
4F34 8522E GAS				LAST	PRCD.	DATE	06/86									S	13596	
LEASE TOTAL GAS																	107111	
CHARLOTTE FEDERAL																		
2E17 6523E GAS				4735	2091	3734	2730	269							231	13790	50797	
CHINA DRAW FEDERAL																		
1M31 6523E GAS				8871	7869	7880	7414	7786	7254	4960	7139	4359	4888	6194	7683	84297	441167	
2E31 6523E GAS				10291	8464	8684	7726	7943	7124	6786	6523	4009	4183	5245	6503	83481	525100	
3J31 6523E GAS				LAST	PRCD.	DATE	12/87									S	23304	
4M30 6523E GAS				1388	1129	1173	1096	1016	1034	808	921	609	817	925	1124	12040	80695	
5E30 6523E GAS				936	808	830	789	792	743	743	712	590	766	738	693	6140	35095	
LEASE TOTAL GAS				21486	18270	18567	17025	17537	16155	15297	15295	9567	10654	13102	16003	188958	1105771	
EPPERS FEDERAL																		
1L34 5521E GAS				1504	1397	1421	1435	1409	1197	1028	1612	1023	1231	1002	981	15240	81285	
WAT																	35	
2D34 5521E GAS				3637	2652	2799	2515	2103	2109	2039	1860	1378	1368	1446	1653	26559	41327	
LEASE TOTAL GAS				5141	4045	4220	3950	3512	3306	3067	3472	2401	2599	2448	2634	40799	122612	
WAT																	35	
FIVE MILE TANK FEDERAL																		
Z 2J 9 6523E GAS				LAST	PRCD.	DATE	01/85									U	10258	
WAT																		
3P17 6523E GAS				2760	2337	2343	1833	1674	1754	1624	1568	1378	2134	1580	1507	22492	57800	
5K17 6523E GAS				4376	3872	4381	3941	3424	3074	2904	2908	2286	2828	2321	2653	38568	95247	
LEASE TOTAL GAS				7136	6209	6724	5774	5098	4828	4528	4476	3664	4962	3901	4160	61460	167345	
WAT																	780	
FOUR MILE DRAW FEDERAL																		
1H15 6522E GAS				576	366	384	368	352	280						285	2611	13828	
2P15 6522E GAS				4322	3750	3791	3046	3216	3575	3239	3228	2305	2883	2681	2443	38479	111398	
3M14 6522E GAS				3326	4495	4300	3897	3726	3439	3295	3221	2374	2803	2457	2366	39723	106798	
4O14 6522E GAS				1158	671	805	651	673	499	404	181	587	425	495	516	542	24811	
5E14 6522E GAS				876	840	872	1219	962	784	669	587	425	495	389	140	8258	23995	
6H14 6522E GAS				LAST	PRCD.	DATE	04/87									S	523	
7K15 6522E GAS				2295	2025	1979	1881	1860	1685	1631	1554	1210	1425	1278	1149	15986	69895	
8F15 6522E GAS				5743	4785	4799	3715	3503	2960	3125	3132	2616	3179	3263	3326	44146	133720	
LEASE TOTAL GAS				18296	16932	16930	14777	14292	12322	12363	11903	8930	10785	10869	9986	159286	494968	
HCSMER FEDERAL																		
1M13 6522E GAS				874	499	385	375	358	335	64				588	193	3671	14133	
2F13 6522E GAS				954	846	925	743	724	653	748	586	374	635	681	627	8698	250781	
3A13 6522E GAS				1998	1817	1527	1250	1190	1049	1014	840	886	1102	936	1205	14814	41129	
4O13 6522E GAS				828	783	617	298	1317	1326	1272	1226	1022	1237	1101	1166	12193	22189	
LEASE TOTAL GAS				4654	3947	3454	2666	3589	3363	3098	2652	2282	2974	3306	3191	39176	102527	
INEXCO FEDERAL																		
2J25 5521E GAS				2168	1556	1505	1291	1306	1208	1100	1113	879	1129	905	881	15041	27577	
4E30 5522E GAS				5439	4763	4953	4275	4093	3981	3623	3322	2817	2954	3045	2897	46162	92336	
LEASE TOTAL GAS				7607	6315	6458	5566	5399	5189	4723	4435	3696	4083	3950	3778	61203	120313	
INEXCO STATE																		
1N32 5522E GAS				1096	631	651	628	595	512	95					417	90	4715	
2J32 5522E GAS				458	390	565	446								553	282	2734	
5K33 5522E GAS				632	475	113									734	451	2405	
7133 5522E GAS				439	55										239	1002	2355	
LEASE TOTAL GAS				2656	1774	1384	1074	595	512	95					1943	823	10656	
L L & E FEDERAL																		
1O12 6522E GAS				1705	1444	1266	1124	1120	4697	1009	871	825	1223	905	788	16977	42556	
2H12 6522E GAS				2566	2060	2071	1862	1718	1802	1630	1210	1119	1399	1197	1172	19606	54153	
3C12 6522E GAS										2829	472	1223	1419	1524	10624	10624		
4N 1 6522E GAS				2884	2353	2338	2272	2245	2010	1970	1823	1549	1827	1683	1635	24589	53018	
5P 1 6522E GAS				6278	4688	5181	4532	4419	3954	3814	3556	2998	3507	2519	2801	46647	96178	
LEASE TOTAL GAS				13433	10745	10856	9790	9502	12463	11580	10289	6963	9179	8123	7920	120843	256529	
LCOKOUT FEDERAL																		
1J10 6522E GAS																3681	4442	
3K10 6522E GAS				2623	2223	3144	2578	2539	2122	2002	1862	1406	1843	1473	1417	25232	55196	
4F10 6522E GAS				LAST	PRCD.	PRIO	TO 6/73									S	26	
5I 9 6522E GAS				1095	893	851	809	806	788	749	622	552	792	802	697	9456	25570	
8A 9 6522E GAS				2438	1778	1544	1333	1258	1131	1068	1089	980	1073	1106	1073	15871	39295	
9C 9 6522E GAS				1815	1366	1446	1386	1192	1037	1087	1002	797	991	1134	1068	14321	25513	
LEASE TOTAL GAS				7971	6260	6985	6106	5795	5078	4906	4575	3735	8380	4515	4255	66561	147046	
LUCKY COM																		
1J17 6522E GAS																	S	
MACHO STATE																		
1G32 6523E GAS				LAST	PRCD.	DATE	03/84									S	867	
MIDDLE FORK FEDERAL																		
1J 8 6523E GAS					443	446	1191			3006						5086	55887	
WAT																	2520	
2K 8 6523E GAS				613	568	547	421							588	605	3342	10548	
3F 8 6523E GAS				985	846	897	1286		941	825	866	953	684	1090	658	677	10708	23104
4G 8 6523E GAS				2113	1524	1716	1517	1389	1192	1031	1025	1038	947	921	1355	16168	35585	
5E 5 6523E GAS				1081	507	899	775	762	760	753	698	665	889	741	684	9614	21043	
LEASE TOTAL GAS				4792	4688	4505	5190	3092	2777	5656	2676	2387	2926	2908	3321	44918	150571	
WAT																	2920	
MILLER FEDERAL																		
1H 7 6523E GAS				176	165	167	150	136	101	17						912	3463	
2F 7 6523E GAS				1762	1556	1270	1345	1240	1201	996	1052	652	866	1249	745	13934	35303	
3K 7 6523E GAS				1012	753	674	721	487	448	79				846	795	5815	23716	
4J 7 6523E GAS								2552								2552	9834	
5M 6 6523E GAS				2710	2584	2653	3313	2552	2640	2556	2277	1785	2421	2337	1694	25622	65996	
6P 6 6523E GAS				631	420	399	310							260		2020	2920	