

OIL CONSERVATION DIVISION

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.

30-025-06624

5. Indicate Type of Lease

STATE ☐

FEE ☒

6. State Oil / Gas Lease

7. Lease Name or Unit Agreement Name

HARRY LEONARD 'E'

8. Well No.

5

9. Pool Name or Wildcat

PENROSE SKELLY GRAYBURG

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:

OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

b. Type of Completion:

NEW WELL ☐ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RES. ☐ OTHER ☐ HORIZONTAL ☐

2. Name of Operator

CHEVRON USA INC

3. Address of Operator

15 SMITH RD, MIDLAND, TX 79705

4. Well Location

Unit Letter H : 2310' Feet From The NORTH Line and 330' Feet From The EAST Line

Section 16 Township 21-S Range 37-E NMPM LEA COUNTY

10. Date Spudded

6/23/2005

11. Date T.D. Reached

7/16/2005

12. Date Compl. (Ready for prod.)

8/23/2005

13. Elevations (DF & RKB, RT, GR, etc.)

3481' GL

14. Elev. Csghead

15. Total Depth

5653'

16. Plug Back T.D.

3726'

17. If Multi Compl. How Many Zones?

18. Intervals Drilled By

Rotary Tools

Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name

4755-4894 & 4231-4370', GRAYBURG

20. Was Directional Survey Made

YES

21. Type Electric and Other Logs Run

GAMMA GUN/CCL

22. Was Well Cored

NO

CASING RECORD (Report all Strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENT RECORD	AMOUNT PULLED
			NO CHANGE		

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 7/8"	3636'	

26. Perforation record (interval, size, and number)

4755-4894'

4231-4370'

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED

4755-4894' ACIDIZE W/1500 GALS 15% NEFE HCL

4231-4370' ACIDIZE W/1500 GALS 15% NEFE HCL

FRAC W/77,036 GALS WF130 & SAND

28. PRODUCTION

Date First Production 10/1/2005	Production Method (Flowing, gas lift, pumping - size and type pump) FLOWING					Well Status (Prod. or Shut-in) PROD	
Date of Test 10-02-05	Hours tested 24 HRS	Choke Size	Prod'n For Test Period	Oil - Bbl. 100	Gas - MCF 101	Water - Bbl. 188	Gas - Oil Ratio 1315
Flow Tubing Press.	Casing Pressure	Calculated 24- Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API -(Corr.)	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

SOLD

Test Witnessed By

30. List Attachments NOTARIZED DEVIATIONS

31. I hereby certify that the information on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNATURE Denise Pinkerton TITLE Regulatory Specialist

DATE 10/28/2005

TYPE OR PRINT NAME Denise Pinkerton

Telephone No. 432-687-7375

DISTRICT I

P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88211-0719

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

P.O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

Form C-104

Revised February 10, 1999

Instructions on back

Submit to Appropriate District Office

5 Copies

☐ AMENDED REPORT

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator Name and Address CHEVRON USA INC 15 SMITH RD, MIDLAND, TX 79705		² OGRID Number 4323	
⁴ API Number 30-025-06624		⁵ Pool Name PENROSE SKELLY GRAYBURG	
⁷ Property Code 2669		⁸ Pool Code 50350	
⁶ Property Name HARRY LEONARD 'E'		⁹ Well No. 5	

II. ¹⁰ Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
H	16	21-S	37-E		2310'	NORTH	330'	EAST	LEA

¹¹ Bottom Hole Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
A	16	21-S	37-E		450'	NORTH	344'	EAST	LEA

¹² Lse Code P	¹³ Producing Method Code F	¹⁴ Gas Connection Date 10/1/2005	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
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III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description
4323	CHEVRON	709910	O	H-16-21S-37E LEA COUNTY, NM
024650	DYNEGY	2806575	G	H-16-21S-37E LEA COUNTY, NM

IV. Produced Water

²³ POD 709950	²⁴ POD ULSTR Location and Description H-16-21S-37E, LEA COUNTY, NM
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V. Well Completion Data

²⁵ Spud Date 6/23/2005	²⁶ Ready Date 8/23/2005	²⁷ Total Depth 5653'	²⁸ PBTD 3726'
²⁹ HOLE SIZE	³¹ CASING & TUBING SIZE	³² DEPTH SET	³³ SACKS CEMENT
NO CHANGE			

VI. Well Test Data

³⁴ Date New Oil 10/1/2005	³⁵ Gas Delivery Date 10-01-05	³⁶ Date of Test 10-02-05	³⁷ Length of Test 24 HRS	³⁸ Tubing Pressure	³⁹ Casing Pressure
⁴⁰ Choke Size	⁴¹ Oil - Bbls. 100	⁴² Water - Bbls. 188	⁴³ Gas - MCF 101	⁴⁴ AOF	⁴⁵ Test Method F

⁴⁶ 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.

Signature *Denise Pinkerton*
Printed Name Denise Pinkerton

Title Regulatory Specialist

Date 10/28/2005 Telephone 432-687-7375

OIL CONSERVATION DIVISION

Approved By: *[Signature]*

Title: PETROLEUM ENGINEER

Approval Date: NOV 14 2005

⁴⁷ If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature

Printed Name

Title

Date

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DISTRICT IV

P.O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

Form C-102

Revised February 10, 1999

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies



AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-06624	² Pool Code	³ Pool Name PENROSE SKELLY GRAYBURG
⁴ Property Code 2669	⁵ Property Name HARRY LEONARD 'E'	⁶ Well No. 5
⁷ OGRID Number 4323	⁸ Operator Name CHEVRON USA INC	⁹ Elevation 3481' GL

¹⁰ Surface Location

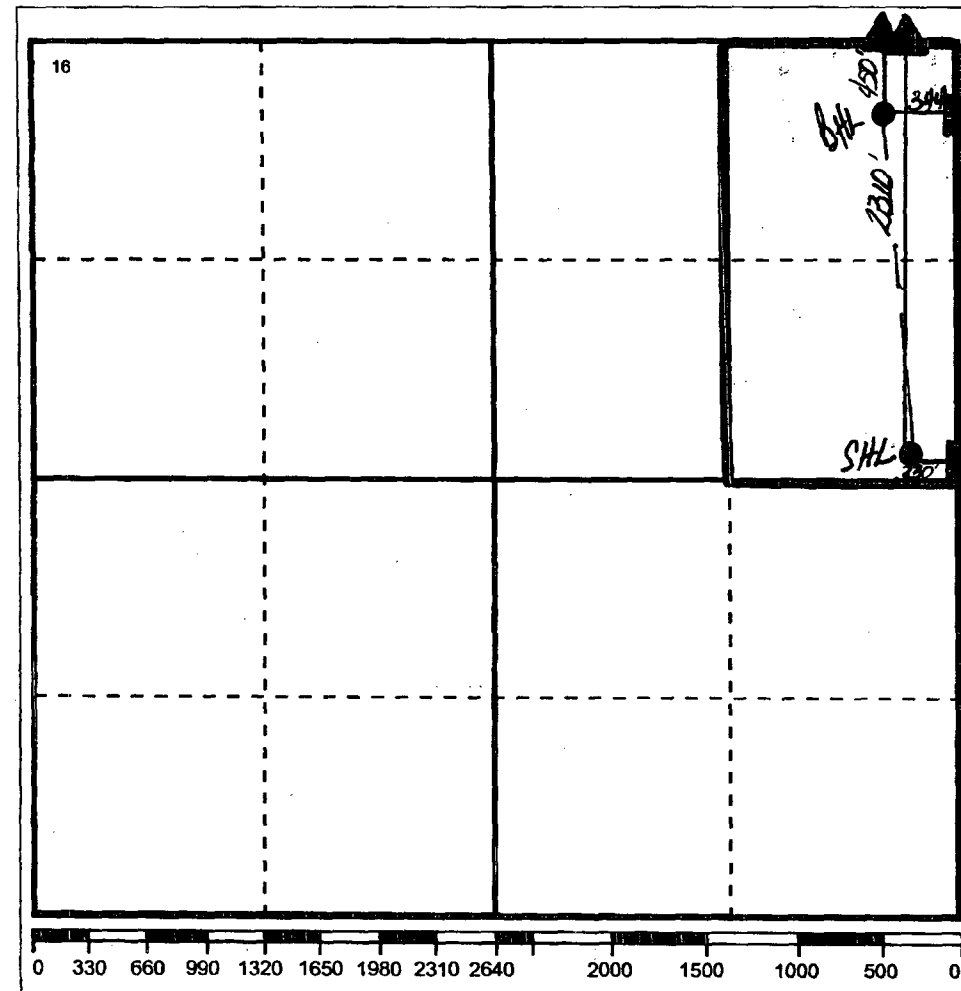
UI or lot no H	Section 16	Township 21-S	Range 37-E	Lot.Idn	Feet From The 2310'	North/South Line NORTH	Feet From The 1930'	East/West Line EAST	County LEA
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¹¹ Bottom Hole Location If Different From Surface

UI or lot no A	Section 16	Township 21-S	Range 37-E	Lot.Idn	Feet From The 450'	North/South Line NORTH	Feet From The 344'	East/West Line EAST	County LEA
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¹² Dedicated Acre 80	¹³ Joint or Infill No	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



17 OPERATOR CERTIFICATION

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

Signature

Printed Name

Denise Pinkerton

Position

Regulatory Specialist

Date

10/26/2005

18 SURVEYOR CERTIFICATION

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

Signature & Seal of

Professional Surveyor

Certificate No.

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1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.	30-025-06624
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil / Gas Lease No.	
7. Lease Name or Unit Agreement Name	HARRY LEONARD 'E'
8. Well No.	5
9. Pool Name or Wildcat	PENROSE SKELLY GRAYBURG
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	3481' GL

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

1. Type of Well:	OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>
2. Name of Operator	CHEVRON USA INC
3. Address of Operator	15 SMITH RD, MIDLAND, TX 79705
4. Well Location	BWL: A. 16, 21-S, 37-E, 450' N, 344' E Unit Letter H : 2310' Feet From The NORTH Line and 330' Feet From The EAST Line Section 16 Township 21-S Range 37-E NMPM
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	3481' GL

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	COMMENCE DRILLING OPERATION <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>
OTHER: <input type="checkbox"/>	OTHER: <input checked="" type="checkbox"/>

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.

6-23-05: MIRU. RU PUMP TRUCK & REVERSE PUMP. 6-24-05: TIH W/CIBP & GAMMA GUN/CCL. SET CIBP @ 3883. DUMP 10' OF CMT ON PLUG. TIH W/CIBP & GAMMA GUN/CCL. SET CIBP @ 3727. TIH W/2 7/8" PROD TBG TO SET WEIGHT ON CIBP @ 3727. WELL WENT ON VACUUM. 6-27-05: TIH W/RODS & LD. HU WH. 6-28-05: TIH W/RBP & PKR. SET RBP @ 3720. PULL UP W/PKR TO 3656. 6-29-05: TIH W/33 JTS 2 7/8" KILL STRING TO 1002. INSTL WH. RIG DOWN. 7-11-05: LD 33 JTS 2 7/8" TBG. PU RBP, 20 JTS OF DP & TIH. ATTEMPT TO SET RBP. FEEL OFF RETR HEAD. FOUND RBP @ 2551. SET RBP. LATCH ONTO RBP. FELL OFF RETR HEAD. TIH W/OVERSHOT & 119 JTS DP. RBP FELL TO BTM. WORK OVER FISH. 7-12-05: CATCH TOP OF RBP. TIH W/MILLS. TAG CIBP @ 3726'. (MAKE 73' CORRECTION TO 3727') TIH W/WHIPSTOCK. RAN GYRO. SET WHIPSTOCK FACE @ 347.6 AZ & PULL GYRO. MILL 3713-3720. (TOW @ 3713, BOT @ 3720). DRILL 3720-3723, 3735, 3767, 3892, 3919, 3966, 3983, 4039, 4140, 4150, 4391, 4396, 4454, 4459, 4485, 4498, 4611, 4618, 4737, 4744, 4830, 4836, 4877, 4891, 4935, 4950, 5018, 5028, 5112, 5117, 5143, 5153, 5221, 5236, 5284, 5299, 5363, 5378, 5476, 5496, 5553, 5559, 5570, 5584, 5591, 5653. 7-16-05: TD 4 3/4" LATERAL @ 0400 HRS 7-16-05 WITH FULL RETURNS. 7-17-05: RUN LINER & FRAC ASSEMBLY. PU JOINT OF DP, SET & PACK OFF 5 1/2" PKR. TEST ANNULUS TO 500 PSI. SET ANCHOR. REL ON/OFF TOOL. BTM OF LINER-5595'. TOP OF LINER-3657. TIH W/RETR HEAD ON 116 JTS 3 1/2" TBG. LATCH ON PKR. 7-18-05: RELEASE RIG @ 0900 HRS. WAIT ON COMPLETION. 7-20-05: MIRU. REL ON/OFF TOOL. 7-21-05: LATCH ON TO ON/OFF TOOL. INSTL FRAC FLOW HEAD.FINAL REPORT UNTIL FRAC JOB. 8-04-05: MIRU. STIMULATE GRAYBURG OPEN HOLE 5287 W/70,500# 16/30 MESH JORDAN & 15,000# 16/30 RESIN COAT SAND. OPEN WELL TO TANK. 8-08-05: RU COIL TBG UNIT. WASH SAND TO 3224. TAG TD @ 5590'. 8-09-05: TIH W/COIL TBG FOR FILL TO 5590. NO FILL. LOG FROM 3300-TD. LOG BACK OUT TO 3300. 8-15-05: RU COIL TBG UNIT. TIH TO TD @ 5589'. NO FILL. TIH W/PERF GUNS. TAG @ 5356. PUH TO 5303. (END OF GUN) 5295' (TOP SHOT) TOH & TAG @ 4821. TIH TO 5356. 8-16-05: TEST LINES TO 9500 PSI. BLEND WF120 GEL. PUMP 48 BFW. PUMP 72 BBLS 20% HCL. OPERATIONS SUSPENDED FOR REVIEW. 8-23-05: ACIDIZE LATERAL INTERVAL FR 4755-4894 W/1500 GALS 15% NEFE HCL. RUN STEP DOWN RATE TEST: 28.6 BPM-4389#, 24 BPM-3960#, 17.4 BPM-3430#, 7.8 BPM-3030#, SHUT DOWN ISIP-2236#, 5 MIN-1809#, 8 MIN-1709#.FLOW BACK ON 48/64" CHOKE. ACIDIZE LATERAL INTERVAL FR 4231-4370 W/1500 GALS 15% NEFE HCL. RUN STEP DOWN RATE TEST: 28.6 BPM-4235#, 25.3 BPM-3904#, 21.6 BPM-3430#, 10 BPM-2730#, ISIP-1698#. FLOW BACK ON 48/64" CHOKE. 9-01-05: FRAC WELL W/77,036 GALS WF 130 ST, 1499 GALS WF130, 99, 258# 20/40 SAND.OPEN WELL TO TANK 1440 PSI ON 10/64 CHOKE. RECDV 81 TOTAL BBLS. ALL FRAC WATER. 9-13-05: RU COIL TBG UNIT. TIH W/BIT ON 1 1/4" COIL. TAG ISO PAC @ 4231. TAG SLEEVE @ 4298.

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

SIGNATURE Denise Pinkerton TITLE Regulatory Specialist

DATE 10/26/2005

TYPE OR PRINT NAME Denise Pinkerton

Telephone No. 432-687-7375

(This space for State Use)

APPROVED [Signature] TITLE PETROLEUM ENGINEER

DATE

NOV 14 2005

DeSoto/Nichols 12-93 ver 1.0

Harry Leonard NCT-E #5 Horizontal

C/O TAG ISO PAC @ 4370. C/O TAG SLEEVE @ 4821. C/O WASH TO 5300. RUN TRACER SURVEY LOG FR 3300-5300. THEN BACK UP TO 3300. SAND APPEARS TO BE FROM 4226-4310.

9-21-05: MIRU KEY #20. WELL FLOWING.

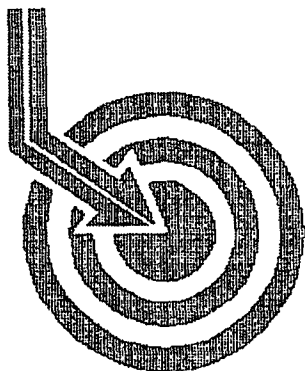
9-22-05: RIG DOWN TO SET PUMPING UNIT.

9-26-05: MIRU KEY. GET OFF ON/OFF TOOL. EQUALIZE. LD 116 JTS 3 ½" TBG. CHANGE OUT TBG TO 2 7/8" PROD TBG.

9-27-05: PU 82 MORE JTS OF TBG. PU PUMP & RODS.

9-28-05: HANG HORSES HEAD. SPACE OUT WELL. RIG DOWN. FINAL REPORT. W/O COMPLETION TEST.

10-02-05: ON 24 HR OPT. FLOWING 100 OIL, 101 GAS, & 188 WATER. GOR-1315.



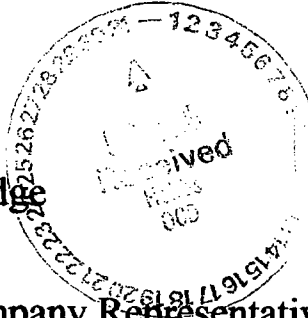
Scientific Drilling

SUR: H-16-21s-37e 2310/N & 330/E
BHL: A-16-21s-37e, 450/N & 344/E
API #30-025-06624

CHEVRONTEXACO

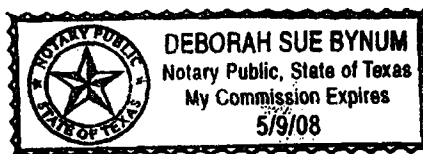
Field: Harry Leonard
Site: Lea County, NM
Well: Harry Leonard #5H
Wellpath: DH - Job #32D0705500
Survey: 07/11/05-07/16/05

This survey is correct to the best of my knowledge
and is supported by actual field data.


..... Company Representative

Notorized this date 29th of August, 2005.

Deborah Sue Bynum
Notary Signature
County of Midland
State of Texas





Scientific Drilling International

Survey Report

Company: CHEVRONTEXACO
Field: Harry Leonard
Site: Lea County, NM
Well: Harry Leonard #5H
Wellpath: VH - Job #32K0705504

Date: 8/23/2005
Co-ordinate(NE) Reference:
Vertical (TVD) Reference:
Section (VS) Reference:
Survey Calculation Method: Minimum Curvature

Time: 19:34:29
Site: Lea County, NM, Grid North
System: Mean Sea Level
Well (0.00N,0.00E,359.58Azi)
Db: Sybase

Page: 1

Survey: 07/11/05
KSRG 0'-3680'
Company: Scientific Drilling Internatio
Tool: Keeper,Keeper Gyro

Start Date: 7/11/2005
Engineer: Gonzales w/P&M
Tied-to: From Surface

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0.00	0.00	359.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.37	323.48	100.00	0.26	0.26	-0.19	0.37	0.32	323.48
200.00	0.78	308.26	199.99	0.95	0.94	-0.92	0.43	1.31	315.67
300.00	0.65	302.40	299.99	1.68	1.67	-1.93	0.15	2.55	310.77
400.00	0.60	322.73	399.98	2.41	2.39	-2.73	0.23	3.62	311.18
500.00	0.76	315.98	499.97	3.31	3.28	-3.51	0.18	4.80	313.09
600.00	0.72	275.53	599.97	3.85	3.82	-4.59	0.51	5.97	309.74
700.00	0.70	286.35	699.96	4.09	4.05	-5.80	0.14	7.08	304.91
800.00	0.62	273.78	799.95	4.31	4.26	-6.93	0.16	8.13	301.57
900.00	0.54	243.96	899.95	4.14	4.09	-7.89	0.31	8.89	297.37
1000.00	0.66	233.10	999.94	3.60	3.53	-8.78	0.16	9.46	291.93
1100.00	0.57	237.20	1099.94	2.99	2.92	-9.66	0.10	10.09	286.82
1200.00	0.75	241.03	1199.93	2.41	2.33	-10.65	0.19	10.90	282.36
1300.00	0.50	207.36	1299.92	1.71	1.63	-11.42	0.43	11.53	278.11
1400.00	0.42	212.66	1399.92	1.02	0.93	-11.82	0.09	11.85	274.51
1500.00	0.39	317.50	1499.92	0.96	0.87	-12.25	0.64	12.28	274.08
1600.00	0.73	135.85	1599.92	0.76	0.67	-12.03	1.12	12.05	273.18
1700.00	0.37	71.06	1699.91	0.40	0.32	-11.28	0.66	11.29	271.60
1800.00	0.64	204.95	1799.91	0.00	-0.09	-11.21	0.94	11.21	269.56
1900.00	0.72	118.11	1899.91	-0.81	-0.89	-10.89	0.94	10.93	265.34
2000.00	0.34	85.26	1999.90	-1.09	-1.16	-10.04	0.47	10.11	263.41
2100.00	1.01	107.49	2099.89	-1.34	-1.40	-8.91	0.71	9.02	261.07
2200.00	0.95	78.69	2199.88	-1.45	-1.50	-7.25	0.49	7.41	258.30
2300.00	1.12	52.65	2299.86	-0.71	-0.75	-5.66	0.49	5.71	262.48
2400.00	1.57	62.74	2399.84	0.50	0.47	-3.67	0.51	3.70	277.34
2500.00	1.29	53.18	2499.81	1.79	1.78	-1.55	0.37	2.36	318.85
2600.00	1.02	49.52	2599.78	3.03	3.03	0.03	0.28	3.03	0.51
2700.00	0.78	58.26	2699.77	3.95	3.96	1.28	0.28	4.17	17.93
2800.00	0.74	73.30	2799.76	4.49	4.51	2.48	0.20	5.14	28.82
2900.00	0.70	74.16	2899.76	4.83	4.86	3.69	0.04	6.10	37.18
3000.00	0.78	63.95	2999.75	5.29	5.33	4.89	0.15	7.23	42.54
3100.00	0.68	61.89	3099.74	5.86	5.90	6.02	0.10	8.43	45.56
3200.00	0.45	64.60	3199.73	6.30	6.35	6.90	0.23	9.38	47.36
3300.00	0.44	52.33	3299.73	6.70	6.75	7.56	0.10	10.14	48.21
3400.00	0.23	11.40	3399.73	7.13	7.19	7.90	0.31	10.68	47.71
3500.00	0.27	27.99	3499.73	7.53	7.59	8.05	0.08	11.07	46.69
3600.00	0.52	334.71	3599.73	8.15	8.21	7.97	0.42	11.44	44.15
3680.00	0.57	333.81	3679.72	8.84	8.89	7.64	0.06	11.72	40.65



Scientific Drilling International

Survey Report

Company: CHEVRONTXACO
Field: Harry Leonard
Site: Lea County, NM
Well: Harry Leonard #5H
Wellpath: DH - Job #32D0705500

Date: 8/23/2005 Time: 19:43:27 Page: 1
Co-ordinate(NE) Reference: Site: Lea County, NM, Grid North
Vertical (TVD) Reference: System: Mean Sea Level
Section (VS) Reference: Well (0.00N,0.00E,359.58Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 07/11/05-07/16/05
MWD 3713'-5653'

Start Date: 7/11/2005

Company: Scientific Drilling Internatio
Tool: MWD;MWD

Engineer: Lamb/Melendez/Hernandez
Tied-to: User Defined

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
3713.00	0.38	349.24	3712.72	10.33	10.37	5.59	0.00	11.78	28.33
3789.00	29.02	8.63	3785.47	29.18	29.24	8.37	37.71	30.41	15.97
3820.00	41.15	10.08	3810.79	46.70	46.78	11.29	39.22	48.12	13.57
3852.00	52.70	7.79	3832.61	69.73	69.84	14.87	36.47	71.40	12.02
3879.00	63.12	4.15	3846.94	92.43	92.55	17.21	40.24	94.14	10.53
3911.00	71.45	3.63	3859.28	121.83	121.98	19.20	26.07	123.48	8.95
3943.00	77.21	3.34	3867.92	152.56	152.72	21.07	18.02	154.17	7.86
3974.00	80.71	3.48	3873.86	182.91	183.09	22.88	11.30	184.51	7.12
4005.00	85.82	1.71	3877.49	213.65	213.83	24.27	17.43	215.20	6.48
4037.00	89.97	0.01	3878.67	245.61	245.80	24.75	14.01	247.04	5.75
4068.00	88.86	358.10	3878.99	276.60	276.79	24.24	7.13	277.85	5.01
4100.00	89.53	0.01	3879.44	308.60	308.78	23.71	6.32	309.69	4.39
4131.00	89.50	359.80	3879.70	339.60	339.78	23.66	0.68	340.60	3.98
4162.00	89.66	356.45	3879.93	370.58	370.76	22.65	10.82	371.45	3.50
4194.00	89.50	356.57	3880.16	402.53	402.70	20.70	0.62	403.23	2.94
4225.00	89.80	357.25	3880.35	433.50	433.65	19.03	2.40	434.07	2.51
4257.00	89.83	357.14	3880.45	465.47	465.61	17.46	0.36	465.94	2.15
4288.00	89.40	357.22	3880.66	496.44	496.57	15.94	1.41	496.83	1.84
4319.00	89.09	357.51	3881.07	527.42	527.54	14.51	1.37	527.74	1.58
4351.00	88.52	357.05	3881.74	559.38	559.49	13.00	2.29	559.65	1.33
4383.00	88.35	357.53	3882.61	591.35	591.45	11.48	1.59	591.56	1.11
4414.00	89.13	357.49	3883.29	622.32	622.41	10.14	2.52	622.49	0.93
4445.00	90.87	0.66	3883.29	653.31	653.40	9.64	11.66	653.47	0.84
4476.00	91.41	0.77	3882.68	684.30	684.39	10.02	1.78	684.47	0.84
4508.00	89.56	357.31	3882.40	716.29	716.38	9.49	12.26	716.44	0.76
4539.00	88.99	356.71	3882.80	747.26	747.34	7.87	2.67	747.38	0.60
4571.00	88.66	355.54	3883.45	779.19	779.25	5.71	3.80	779.28	0.42
4603.00	88.86	355.09	3884.15	811.10	811.14	3.10	1.54	811.15	0.22
4634.00	89.90	357.28	3884.48	842.04	842.07	1.03	7.82	842.07	0.07
4665.00	89.73	356.92	3884.58	873.01	873.03	-0.54	1.28	873.03	359.96
4697.00	89.40	356.78	3884.82	904.97	904.98	-2.29	1.12	904.98	359.85
4728.00	89.93	356.26	3885.01	935.93	935.92	-4.18	2.40	935.93	359.74
4759.00	90.30	359.48	3884.94	966.91	966.89	-5.33	10.46	966.91	359.68
4790.00	91.68	0.37	3884.41	997.90	997.89	-5.37	5.30	997.90	359.69
4822.00	93.27	0.20	3883.03	1029.87	1029.86	-5.21	5.00	1029.87	359.71
4853.00	92.29	359.27	3881.52	1060.83	1060.82	-5.35	4.36	1060.83	359.71
4885.00	90.61	358.88	3880.71	1092.82	1092.80	-5.87	5.39	1092.82	359.69
4915.00	90.44	358.58	3880.44	1122.81	1122.80	-6.53	1.15	1122.82	359.67
4947.00	87.75	357.39	3880.94	1154.79	1154.77	-7.66	9.19	1154.79	359.62
4978.00	88.65	357.99	3881.92	1185.76	1185.73	-8.91	3.49	1185.76	359.57
5009.00	89.90	358.15	3882.31	1216.75	1216.71	-9.95	4.07	1216.75	359.53
5041.00	88.25	359.66	3882.83	1248.74	1248.70	-10.56	6.99	1248.74	359.52
5072.00	88.86	359.95	3883.61	1279.73	1279.68	-10.67	2.18	1279.73	359.52
5103.00	90.27	1.40	3883.84	1310.72	1310.68	-10.30	6.52	1310.72	359.55
5135.00	89.56	0.08	3883.89	1342.71	1342.68	-9.89	4.68	1342.71	359.58
5166.00	89.26	360.00	3884.21	1373.71	1373.67	-9.87	1.00	1373.71	359.59
5197.00	89.97	359.85	3884.42	1404.71	1404.67	-9.91	2.34	1404.71	359.60
5229.00	90.54	1.05	3884.28	1436.70	1436.67	-9.66	4.15	1436.70	359.61
5260.00	89.63	0.42	3884.23	1467.70	1467.67	-9.26	3.57	1467.70	359.64



Scientific
Drilling

Scientific Drilling International

Survey Report

Company: CHEVRONTEXACO
Field: Harry Leonard
Site: Lea County, NM
Well: Harry Leonard #5H
Wellpath: DH - Job #32D0705500

Date: 8/23/2005 Time: 19:43:27 Page: 2
Co-ordinate(NE) Reference: Site: Lea County, NM, Grid North
Vertical (TVD) Reference: System: Mean Sea Level
Section (VS) Reference: Well (0.00N,0.00E,359.58Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

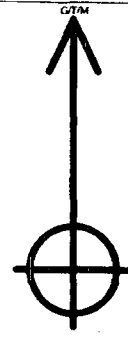
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
5292.00	88.86	359.41	3884.65	1499.69	1499.67	-9.31	3.97	1499.69	359.64
5323.00	86.47	358.26	3885.91	1530.66	1530.63	-9.94	8.55	1530.66	359.63
5355.00	86.44	358.57	3887.89	1562.59	1562.56	-10.82	0.97	1562.59	359.60
5386.00	89.70	359.31	3888.94	1593.57	1593.53	-11.39	10.78	1593.57	359.59
5418.00	89.80	357.57	3889.08	1625.56	1625.52	-12.26	5.45	1625.56	359.57
5450.00	90.13	355.64	3889.10	1657.52	1657.46	-14.16	6.12	1657.52	359.51
5481.00	89.83	356.01	3889.11	1688.45	1688.38	-16.42	1.54	1688.46	359.44
5513.00	90.00	358.57	3889.15	1720.42	1720.34	-17.93	8.02	1720.43	359.40
5544.00	91.65	358.32	3888.71	1751.41	1751.32	-18.77	5.38	1751.42	359.39
5576.00	89.83	2.81	3888.29	1783.40	1783.31	-18.45	15.14	1783.40	359.41
5607.00	88.02	3.01	3888.88	1814.34	1814.26	-16.88	5.87	1814.34	359.47
5653.00	88.02	3.01	3890.46	1860.23	1860.17	-14.47	0.00	1860.23	359.55



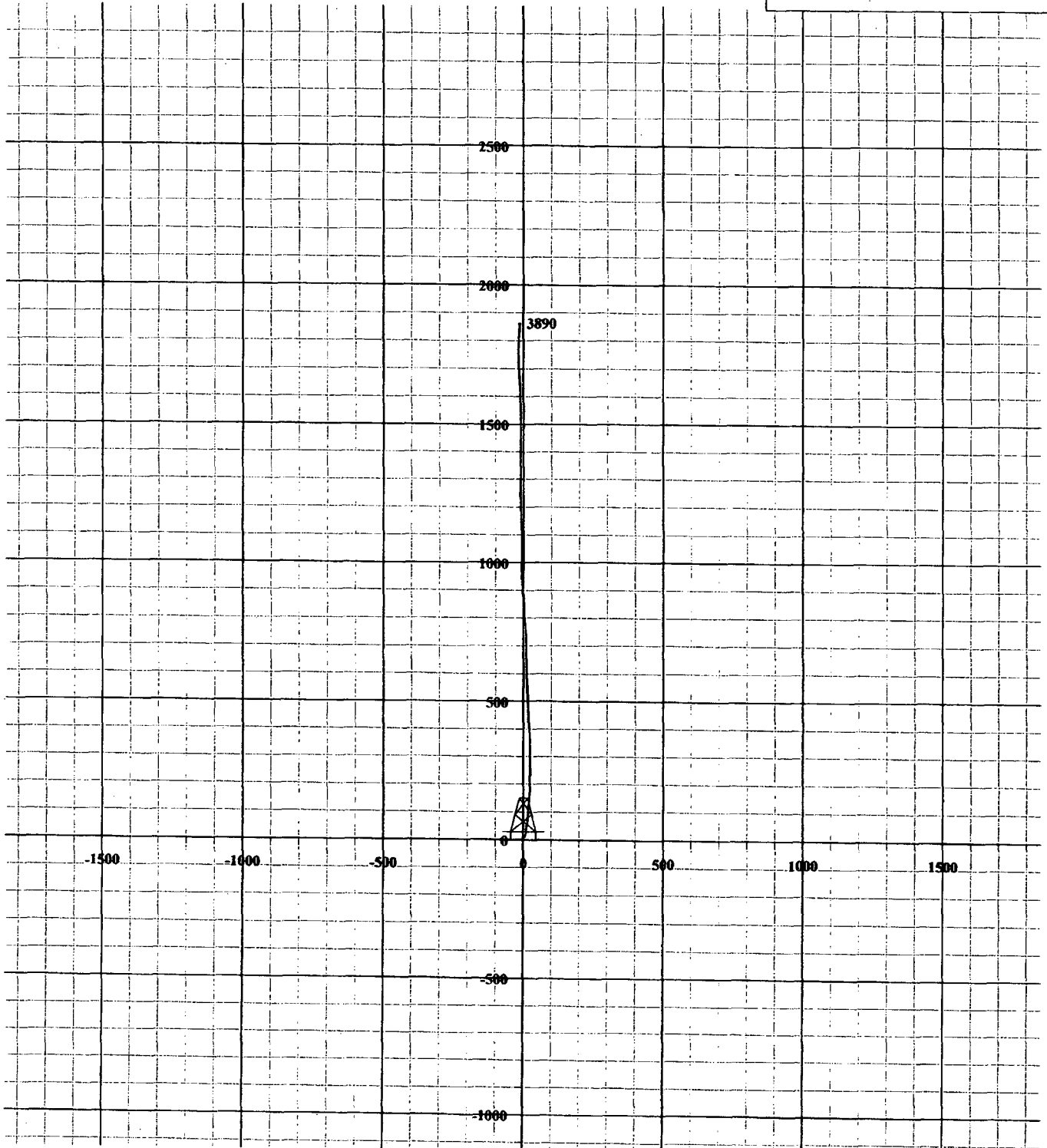
Scientific
Drilling

Field: Harry Leonard
Site: Lea County, NM
Well: Harry Leonard #5H
Wellpath: DH - Job #32D0705500
Survey: 07/11/05-07/16/05



Alignment to Grid North
True North: 0.00°
Magnetic North: 0.00°
Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 02/28/05
Model: gr7000

South(-)/North(+) [500ft/in]



West(-)/East(+) [500ft/in]

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
May 27, 2004

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to appropriate District Office

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address CHEVRON U.S.A. INC. 15 SMITH ROAD MIDLAND, TX 79705		OGRID Number 4323
Property Code 2669		API Number 30-025-06624
Property Name HARRY LEONARD E		Well No. 5
Proposed Pool 1 PENROSE SKELLY GRAYBURG		Proposed Pool 2

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	16	21-S	37-E		2310'	NORTH	330'	EAST	LEA

Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	16	21-S	37-E		450'	NORTH	340'	EAST	LEA

Additional Well Information

Work Type Code D	Well Type Code O	Cable/Rotary ROTARY	Lease Type Code S	Ground Level Elevation 3481' GL
Multiple NO	Proposed Depth 3890'	Formation GRAYBURG	Contractor	Spud Date 6-30-05
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> _____ mils thick Clay <input type="checkbox"/> Pit Volume: _____ bbls Drilling Method:				
Closed-Loop System <input type="checkbox"/> <input checked="" type="checkbox"/> SEE ATTACHED C-144 Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
NO CHANGE					

Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

KICK OFF POINT - 3714'
TOP OF WINDOW - 3714'
BOTTOM OF WINDOW - 3721'
TARGET INTERVAL - 3714'-3890'
LENGTH OF LATERAL - 1860'

Permit Expires 1 Year From Approval
Date Unless Drilling Underway
Horizontal

*****PLEASE CANCEL HORIZONTAL PERMIT FOR HARRY LEONARD NCT-E #6 (APPROVED ON 6-09-05) ***** (COPY ATTACHED)

THE #5 WILL BE DRILLED IN PLACE OF THE #6.

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☒ a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Printed name: DENISE PINKERTON

Title: REGULATORY SPECIALIST

E-mail Address: LEAKEJD@CHEVRONTXACO.COM

Date: 6-16-2005

Phone: 432-687-7375

OIL CONSERVATION DIVISION

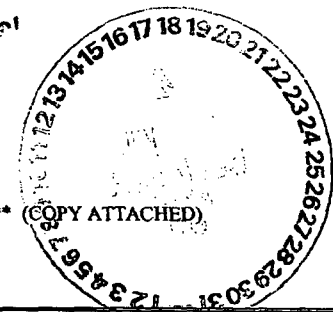
Approved by:

Title:

Approval Date:

Expiration Date:

Conditions of Approval Attached ☐



District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised June 10, 2003
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-06624		² Pool Code 50350		³ Pool Name PENROSE SKELLY GRAYBURG	
⁴ Property Code 2669		⁵ Property Name HARRY LEONHARD NCT-E			⁶ Well Number 5
⁷ OGRID No. 4323		⁸ Operator Name CHEVRON U.S.A. INC.			⁹ Elevation 3481' GL

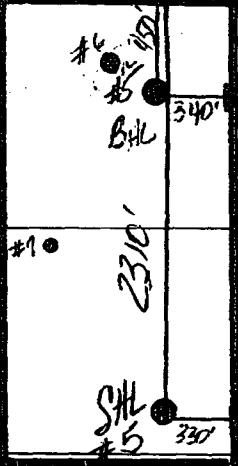
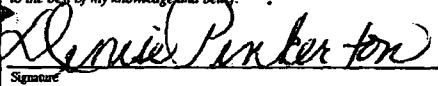
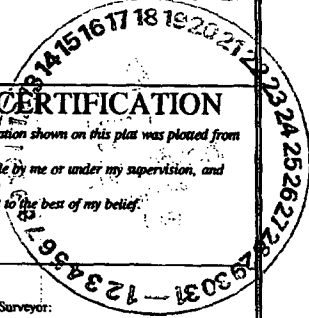
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	16	21-S	37-E		2310'	NORTH	330'	EAST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	16	21-S	37-E		450'	NORTH	340'	EAST	LEA
¹² Dedicated Acres 80		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<div><p>16</p></div>	17 OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>  Signature DENISE PINKERTON Printed Name REGULATORY SPECIALIST LEAKEYD@CHEVRONTXACO.COM Title and E-mail Address 6-16-2005 Date	
	18 SURVEYOR CERTIFICATION <i>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 belief.</i> Date of Survey Signature and Seal of Professional Surveyor:  Certificate Number	

LEA CO - Lea Co Eunice Primary

HAWK B-1
♦ 28

HAWK B-1
♦ 28

BHL 450' FNL 340' FEL
16-21S-37E

NM STATES
♦ 7 ♦ 4

NEDU
♦ 524

NORTHEAST (DRINKARD)
♦ 522

TRACT 12
13

LEONARD HARRY NCT-E
♦ 3

LEONARD HARRY NCT-E
♦ 6H

LEONARD HARRY NCT-E
♦ 4

Chevron USA

LEONARD HARRY NCT-E
♦ 7

STATES
♦ 1 ♦ 5

STATES
♦ 2 ♦ 4
♦ 6

STATE C TR-12
♦ 17

NORTHEAST (DRINKARD)
♦ 624

NORTHEAST (DRINKARD)
♦ 622

HARRY LEONARD NCT-E
♦ 1

LEONARD HARRY NCT-E
♦ 2

STATE
♦ 10-1

STATES
♦ 4
♦ 1

STATES
♦ 4
♦ 2

HARRY LEONARD NCT-E
♦ 5

STATES
♦ 604

STATES
♦ 3

Harry Leonard NCT-E 5
30025066240000

SL 2310' FNL 330' FEL
16-21S-37E

NEDU
♦ 625

NORTHEAST (DRINKARD)
♦ 623

16

15

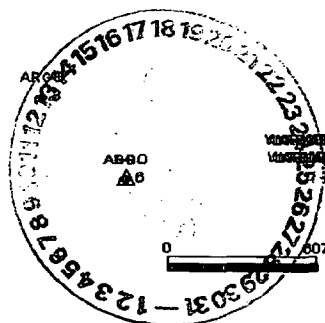
KOP = 3714'
Top Window = 3714'
Bottom Window = 3721'
Target Interval = 3714' - 3990'
Length of Lateral = 1860'

STATE C TR-12
♦ 8 ♦ 3

STATE C TR-12
♦ 4 ♦ 5

ARGO
♦ 7

ARGO
♦ 11



21S37E

NORTHEAST (DRINKARD)
♦ 713

LEA CO - Lea Co Eunice Primary

HAWK B-1
♦ 28

HAWK B-1
♦ 08

BHL 450' FNL 340' FEL
16-21S-37E

*10

NM STATE S
♦ 7 ♦ 4

NEDU
♦ 624

NORTHEAST (DRINKARD)
♦ 522

LEONARD HARRY NCT-E
♦ 3

LEONARD HARRY NCT-E
♦ 6H

LEONARD HARRY NCT-E
♦ 4

Chevron USA

LEONARD HARRY NCT-E
♦ 7

HARRY LEONARD NCT-E
♦ 1

LEONARD HARRY NCT-E
♦ 2

HARRY LEONARD NCT-E
♦ 5

STATE
WD-1

NORTHEAST (DRINKARD)
♦ 624

NORTHEAST (DRINKARD)
♦ 622

STATE S
STATE S
♦ 1

STATE S
NORTHEAST (DRINKARD)
♦ 622

STATE S
♦ 504

Harry Leonard NCT-E 5
30025066240000

SL 2310' FNL 330' FEL
16-21S-37E

NEDU
♦ 625

ARGO
♦ 7

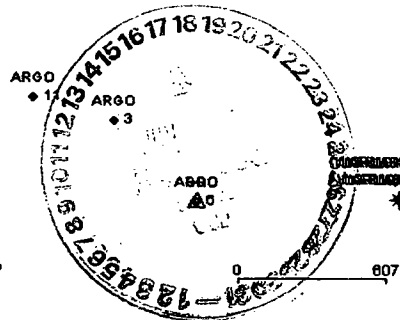
ARGO
♦ 201
ARGO
♦ 10

NORTHEAST (DRINKARD)

STATE S
♦ 3

15

NORTHEAST (DRINKARD)
♦ 623



21S37E

KOP = 3714'
Top Window = 3714'
Bottom Window = 3721'
Target Interval = 3714' - 3890'
Length of Lateral = 1860'

STATE S
♦ 8 ♦ 3

STATE S
♦ 4 ♦ 5

16

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
May 27, 2004

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to appropriate District Office

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address CHEVRON U.S.A. INC. 15 SMITH ROAD MIDLAND, TX 79705		OGRID Number 4323
Property Code 2669		API Number 30-025-25198
Property Name HARRY LEONARD NCT-E		Well No. 6
Proposed Pool 1 PENROSE SKELLY GRAYBURG		Proposed Pool 2

Surface Location

UL or lot no. A	Section 16	Township 21-S	Range 37-E	Lot Idn	Feet from the 330'	North/South line NORTH	Feet from the 600'	East/West line EAST	County LEA
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Proposed Bottom Hole Location If Different From Surface

UL or lot no. H	Section 16	Township 21-S	Range 37-E	Lot Idn	Feet from the 1980'	North/South line NORTH	Feet from the 340'	East/West line EAST	County LEA
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Additional Well Information

Work Type Code D	Well Type Code O	Lease Type Code S	Ground Level Elevation 3475'
Multiple NO	Proposed Depth 3870'	Formation GRAYBURG	Spud Date 6-15-05
Depth to Groundwater		Distance from nearest fresh water well	
Distance from nearest surface water			
Pit: Liner: Synthetic <input type="checkbox"/> mils thick Clay <input type="checkbox"/> Pit Volume: <input type="checkbox"/> bbls Drilling Method:			
Closed-Loop System <input type="checkbox"/> SEE ATTACHED 44 Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>			

Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
NO CHANGE					

22 Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

KICK OFF POINT - 3730'
TOP OF WINDOW - 3730'
BOTTOM OF WINDOW - 3740'
TARGET INTERVAL - 3730-3870'
LENGTH OF LATERAL - 1900'

Permit Expires 1 Year From Approval
Date Unless Drilling Underway
Horizontal

23 I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Printed name: DENISE PINKERTON

Title: REGULATORY SPECIALIST

E-mail Address: LEAKEJD@CHEVRONTXACO.COM

Date: 6-07-2005

Phone: 432-687-7375

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Expiration Date:

ORIGINAL SIGNED BY
PAUL F. KAUTZ
PETROLEUM ENGINEER

JUN 09 2005

Conditions of Approval Attached ☐

Well: Harry Leonard (NCT-E) # 5

Field: Penrose Skelly

Reservoir: Grayburg

Location:
2310' FNL & 330' FEL
Section: 16
Township: 21S
Range: 37E
County: Lea State: NM

Elevations:
GL: 3481'
KB: 3491'
DF: 3490'

Current Wellbore Diagram

Well ID Info:
Chevno: FA7728
API No: 30-025-06624
LS/LG: U482000
Spud Date: 6/22/52
Compl. Date: 10/27/52

Surf. Csg: 12 3/4", 50#, H-40
Set: @ 268' w/ 325 sks
Hole Size: 17 1/2"
Circ: Yes TOC: Surface
TOC By: Circulated

Interm. Csg: 8 5/8", 32#, J-55
Set: @ 2709' w/ 708 sks
Hole Size: 11"
Circ: No TOC: 2290'
TOC By: Temperature Survey
(Perfed at 2240' and cmtd to surface 7/52)

Block Sqz Perfs @ 2850'
(Circ cmt to surface 7/83)

Perfs:	Status:
3727-34'	Grayburg - Open
3743-48'	Grayburg - Open
3752-58'	Grayburg - Open
3768-72'	Grayburg - Open
3793-97'	Grayburg - Open
3804-08'	Grayburg - Open
3818-22'	Grayburg - Open
3831-35'	Grayburg - Open
3846-50'	Grayburg - Open
3864-68'	Grayburg - Open
3888-92'	Grayburg - Open
3909-13'	Grayburg - Open
3932-36'	Grayburg - Open
3952-56'	Grayburg - Open
3966-70'	Grayburg - Open
3981-85'	Grayburg - Open

CIBP @ 4150'
(35' cmt on top)

Block Sqz Perfs @ 6200'
(Sqzd w/ 300 sks 1/53)

Perfs:	Status:
6484-86'	Drinkard - Below CIBP
6527-29'	Drinkard - Below CIBP
6588-88'	Drinkard - Below CIBP
6606-10'	Drinkard - Below CIBP
6661-63'	Drinkard - Below CIBP

6745-47'	Abo - Cmt Sqzd
6820-22'	Abo - Cmt Sqzd
6888-90'	Abo - Cmt Sqzd
6956-58'	Abo - Cmt Sqzd
7024-26'	Abo - Cmt Sqzd
7181-63'	Abo - Cmt Sqzd
7198-7200'	Abo - Cmt Sqzd
7227-29'	Abo - Cmt Sqzd

7295-97'	Montoya - Below CIBP
7317-19'	Montoya - Below CIBP
7331-33'	Montoya - Below CIBP

Block Sqz Perfs @ 7400'
(Sqzd w/ 355 sks 1/53, TOC 5392' by TS)

7865-7920' McKee - Cmt Sqzd

Prod. Csg: 5 1/2", 14, 15.5, 17 & 20#, J-55 & N-80
Set: @ 7989' w/ 131 sks
Hole Size: 7 7/8"
Circ: No TOC: 7540'
TOC By: Temperature Survey

Sqzd Csg Leak @ 3828-60'
(Sqzd w/ 225 sks 10/97)

Bowen Csg Patch @ 5351'

CIBP @ 6425'
(No cmt on top)

CICR @ 6707'
(5' cmt on top)

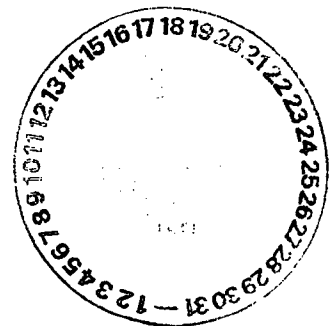
CIBP @ 7280'
(35' cmt on top)

CICR @ 7700'
(10' cmt on top)

COTD: 4115'
PSTD: 4115'
TD: 8220'

Updated: 8/22/02 LOPK

By: LPW



DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.	30-025-06624
5. Indicate Type of Lease	STATE <input checked="" type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil / Gas Lease No.	
7. Lease Name or Unit Agreement Name	HARRY LEONARD 'E'
8. Well No.	5
9. Pool Name or Wildcat	PENROSE SKELLY GRAYBURG

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT (FORM C-101) FOR SUCH PROPOSALS.	
1. Type of Well:	OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>
2. Name of Operator	CHEVRON USA INC
3. Address of Operator	15 SMITH RD, MIDLAND, TX 79705
4. Well Location	Unit Letter <u>H</u> : <u>2310'</u> Feet From The <u>NORTH</u> Line and <u>330'</u> Feet From The <u>EAST</u> Line Section <u>16</u> Township <u>21-S</u> Range <u>37-E</u> NMPM <u>LEA</u> COUNTY
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	3481' GL

11.

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

NOTICE OF INTENTION TO:

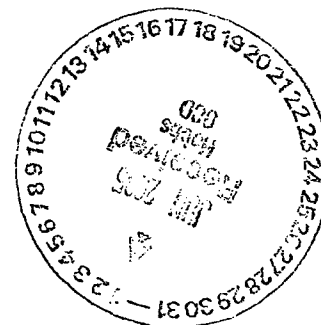
PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPERATION ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: ☒ ADD PERFS & ACIDIZE

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.

5-18-05: MIRU. RU & SWAB TBG DN. PULL PROD TBG.
5-19-05: PU 133 JTS 2 7/8" TBG. TAG @ 4090. PULL 7 STANDS TO GET ABOVE PERFS. WAIT ON BLOW DN LINE. PU BLOW DN LINE TO WH.
5-20-05: RU FOAM UNIT & BLOW DN TANK. ESTAB CIRC W/AIR. RUN 7 STANDS. TAG @ 4090. CIRC HOLE W/FOAM AIR.
5-23-05: TIH W/PKR W/8" SPACING. SET PKR.
5-24-05: PERF 3727-3734, 3743-3748 & 3752-3758'. ACIDIZE PERFS 3727-3985 W/4750 GALS 15% HCL. RU SWAB.
5-25-05: SWABBING.
5-26-05: PUMP 110 GALS BAKER 4777 IN 50 BBLs COT BRINE & FLUSH W/200 BBLs. LD PKR. PU SAND FILTER & SN & TIH W/122 JTS 2 7/8" TBG, TAC, 10 JTS 2 7/8" TBG. SET TAC W/10000# TENSION.
5-27-05: RUN RODS. SPACE OUT & HANG ON. RIG DOWN. TURN WELL OVER TO PRODUCTION.
FINAL REPORT



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

SIGNATURE Denise Pinkerton TITLE Regulatory Specialist

DATE 5/31/2005

TYPE OR PRINT NAME Denise Pinkerton

Telephone No. 432-687-7375

(This space for State Use)

APPROVED [Signature] TITLE PETROLEUM ENGINEER

DATE

JUN 01 2005
DeSoto/Nichols 12-83 ver 1.0

OIL CONSERVATION DIVISION

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.

30-025-06624

5. Indicate Type of Lease

STATE ☐

FEE ☒

6. State Oil / Gas Lease No.

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

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

2. Name of Operator
CHEVRON USA INC

3. Address of Operator
15 SMITH RD, MIDLAND, TX 79705

4. Well Location
Unit Letter H : 2310' Feet From The NORTH Line and 330' Feet From The EAST Line
Section 16 Township 21-S Range 37-E NMPM LEA COUNTY

10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3481' GL

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: ADD PERFS & ACIDIZE ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPERATION ☐ 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.

CHEVRON U.S.A. INC. INTENDS TO ADD PERFS AND ACIDIZE THE GRAYBURG RESERVOIR IN THE SUBJECT WELL.

A PIT WILL NOT BE USED FOR THIS WORKOVER. A STEEL FRAC TANK WILL BE UTILIZED.

THE CURRENT & PROPOSED WELLBORE DIAGRAMS ARE ATTACHED FOR YOUR APPROVAL.

PLEASE SEE ATTACHMENT FOR INTENDED PROCEDURE.



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

SIGNATURE Denise Pinkerton TITLE Regulatory Specialist

DATE 4/6/2005

TYPE OR PRINT NAME Denise Pinkerton

Telephone No. 432-687-7375

(This space for State Use)

APPROVED [Signature] TITLE
CONDITIONS OF APPROVAL, IF ANY:

DATE

APR 08 2005

DeSoto/Nichols 12-93 ver 1.0

PETROLEUM ENGINEER

H Leonard E #5
API #30-025-06624
2310' FNL & 330' FEL
S16, T21S, R37E
Penrose Skelly
Lea County, New Mexico

PROCEDURE

Use 8.6 ppg brine water.

1. Displace flowline w/ fresh water. Have Field Specialist close valve at header. Pressure test line according to type. All polypipe (SDR7 and SDR11) will be tested to 100 psi. All steel lines will be tested to 500 psi. If a leak is found, contact Donnie Ives for repair/replacement. If tests good, bleed off pressure and open valve at header. Document this process in the morning report.
2. MIRU Key PU & Smith RU. Bleed any pressure off well. Use 8.6 ppg brine water to kill well. POOH w/ rods & pump (see Tbg Detail). NDWH NUBOP & EPA equipment. Test BOP when possible. POOH w/ 2-7/8" Tbg (see Tbg Detail).
3. RIH w/ 4-3/4" bit on 2-7/8" WS to 4115' (PBSD). Reverse circulate out any fill using Air Unit if necessary. POOH & LD bit.
4. MIRU Baker Atlas WL. RIH w/ 3-1/8" slick guns loaded w/ 4 spf, 120 degree phasing, and 23 gram charges tied back to Baker Atlas' CPNL Log dated 11/29/2001 and perf the following intervals: 3727'-3734', 3743'-3748', and 3752'-3758'. RD Baker Atlas.
5. RIH w/ 5-1/2" PPI packer w/ 8' element spacing and SCV. Test 2-7/8" WS to 3500 psi while RIH. Test PPI packer in blank pipe. Mark settings.
6. MIRU DS. Spot acid across perforated interval. Acidize perfs 3727'-3985' w/ 4,750 gals 15% NEFE HCl acid at a max rate of 2 BPM & 3500 psi surface pressure as follows:

Perfs	Acid Volume	Max Rate	PPI Setting
3981-3985	250 gals	2 bpm	3979-3987
3966-3970	250 gals	2 bpm	3964-3972
3952-3956	250 gals	2 bpm	3950-3958
3932-3936	250 gals	2 bpm	3930-3938
3909-3913	250 gals	2 bpm	3907-3915
3888-3892	250 gals	2 bpm	3886-3894
3864-3868	250 gals	2 bpm	3862-3870
3846-3850	250 gals	2 bpm	3844-3852
3831-3835	250 gals	2 bpm	3829-3837
3818-3822	250 gals	2 bpm	3816-3824
3804-3808	250 gals	2 bpm	3802-3810
3793-3797	250 gals	2 bpm	3791-3799
3768-3772	250 gals	2 bpm	3766-3774

3752-3758	500 gals	½-1 bpm	3751-3759
3743-3748	500 gals	½-1 bpm	3741-3749
3727-3734	500 gals	½-1 bpm	3726.5-3734.5

NOTE: Break down new perfs easy, not exceeding 1 bpm. Displace acid w/ 8.6# brine to top perf. Record ISIP, 5, and 10 SIP. RD DS. If communication occurs during treatment, attempt to put away stage without exceeding 1,000 psi csg pressure. If stage can not be completed move to next and combine stage volumes.

7. SI well for 2 hrs for acid to spend. Release PPI & PU above top perf. RU swab and swab back load before SION if possible. Record volumes, pressures, & fluid levels. Discuss results with Engineering.
8. MIRU pump truck. Pump down tbh w/ 50 bbls 8.6 PPG cut brine water containing 110 gals Baker RE-4777 Scale Inhibitor followed by 200 bbls 8.6 PPG cut brine water @ 5 BPM & 2500 psi max pressure. RD pump truck. POOH & LD WS & PPI pkr.
9. RIH w/ 2-7/8" production tbh & hang off as per ALS recommendation. NDBOP NUWH. RIH w/ rods & pump as per ALS recommendation.
10. RD Key PU & Smith RR. Turn well over to production. Contact Lease Operator and inform them that the well is ready for operation.

Engineer - Keith Lopez
432-687-7120 Office
432-687-3281 Cell
303-949-3021 Home

Well: **Harry Leonard (NCT-E) # 5**

Field: **Penrose Skelly**

Reservoir: **Grayburg**

Location:
2310' FNL & 330' FEL
Section: 16
Township: 21S
Range: 37E
County: Lea State: NM

Elevations:
GL: 3481'
KB: 3491'
DF: 3490'

Current Wellbore Diagram

Well ID Info:
Chevno: FA7728
API No: 30-025-06624
L5/L6: U492000
Spud Date: 6/22/52
Compl. Date: 10/27/52

Surf. Csg: 12 3/4", 50#, H-40
Set: @ 268' w/ 325 sks
Hole Size: 17 1/2"
Circ: Yes TOC: Surface
TOC By: Circulated

Interm. Csg: 8 5/8", 32#, J-55
Set: @ 2799' w/ 708 sks
Hole Size: 11"
Circ: No TOC: 2290'
TOC By: Temperature Survey
(Perfed at 2240' and cmt'd to surface 7/52)

Block Sqz Perfs @ 2850'
(Circ cmt to surface 7/83)

Perfs:	Status:
3768-72'	Grayburg - Open
3793-97'	Grayburg - Open
3804-08'	Grayburg - Open
3818-22'	Grayburg - Open
3831-35'	Grayburg - Open
3848-50'	Grayburg - Open
3864-68'	Grayburg - Open
3888-92'	Grayburg - Open
3909-13'	Grayburg - Open
3932-36'	Grayburg - Open
3952-56'	Grayburg - Open
3966-70'	Grayburg - Open
3981-85'	Grayburg - Open

CIBP @ 4150'
(35' cmt on top)

Block Sqz Perfs @ 6200'
(Sqzd w/ 300 sks 1/53)

Perfs:	Status:
6484-88'	Drinkard - Below CIBP
6527-29'	Drinkard - Below CIBP
6586-88'	Drinkard - Below CIBP
6608-10'	Drinkard - Below CIBP
6661-63'	Drinkard - Below CIBP

6745-47'	Abo - Cmt Sqzd
6820-22'	Abo - Cmt Sqzd
6868-90'	Abo - Cmt Sqzd
6956-58'	Abo - Cmt Sqzd
7024-26'	Abo - Cmt Sqzd
7161-63'	Abo - Cmt Sqzd
7198-7200'	Abo - Cmt Sqzd
7227-29'	Abo - Cmt Sqzd

7295-97'	Montoya - Below CIBP
7317-19'	Montoya - Below CIBP
7331-33'	Montoya - Below CIBP

Block Sqz Perfs @ 7400'
(Sqzd w/ 355 sks 1/53, TOC 5392' by TS)

7865-7920' McKee - Cmt Sqzd

Prod. Csg: 5 1/2", 14, 15.5, 17 & 20#, J-55 & N-80
Set: @ 7999' w/ 131 sks
Hole Size: 7 7/8"
Circ: No TOC: 7540'
TOC By: Temperature Survey

Sqzd Csg Leak @ 3828-60'
(Sqzd w/ 225 sks 10/97)

Bowen Csg Patch @ 5351'

CIBP @ 6425'
(No cmt on top)

CICR @ 6707'
(5' cmt on top)

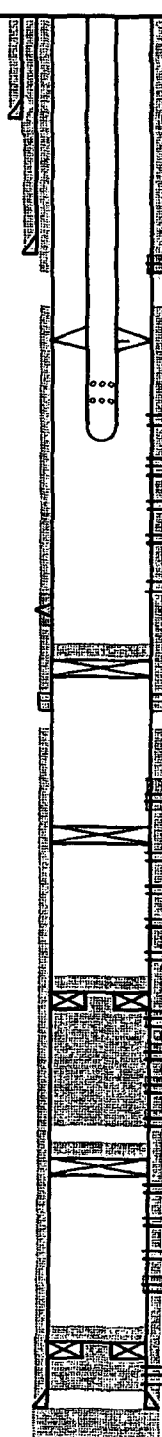
CIBP @ 7280'
(35' cmt on top)

CICR @ 7700'
(10' cmt on top)

COTD: 4115'
PBD: 4115'
TD: 8220'

Updated: 8/22/02

By: LPW



Well: **Harry Leonard (NCT-E) # 5**

Field: **Penrose Skelly**

Reservoir: **Grayburg**

Location:
2310' FNL & 330' FEL
Section: 16
Township: 21S
Range: 37E
County: Lea State: NM

Elevations:
GL: 3481'
KB: 3491'
DF: 3490'

**Proposed
Wellbore Diagram**

Well ID Info:
Chevno: FA7728
API No: 30-025-06624
L5/L6: U492000
Spud Date: 6/22/52
Compl. Date: 10/27/52

Surf. Csg: 12 3/4", 50#, H-40
Set: @ 268' w/ 325 sks
Hole Size: 17 1/2"
Circ: Yes TOC: Surface
TOC By: Circulated

Interm. Csg: 8 5/8", 32#, J-55
Set: @ 2799' w/ 708 sks
Hole Size: 11"
Circ: No TOC: 2290'
TOC By: Temperature Survey
(Perfed at 2240' and cmt'd to surface 7/52)

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(Circ cmt to surface 7/83)

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3793-97'	Grayburg - Open
3804-08'	Grayburg - Open
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3846-50'	Grayburg - Open
3864-68'	Grayburg - Open
3888-92'	Grayburg - Open
3909-13'	Grayburg - Open
3932-36'	Grayburg - Open
3952-56'	Grayburg - Open
3966-70'	Grayburg - Open
3981-85'	Grayburg - Open

CIBP @ 4150'
(35' cmt on top)

Block Sqz Perfs @ 8200'
(Sqzd w/ 300 sks 1/53)

Perfs:	Status:
6484-86'	Drinkard - Below CIBP
6527-29'	Drinkard - Below CIBP
6586-88'	Drinkard - Below CIBP
6608-10'	Drinkard - Below CIBP
6661-63'	Drinkard - Below CIBP

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6820-22'	Abo - Cmt Sqzd
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(Sqzd w/ 355 sks 1/53, TOC 5392' by TS)

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Prod. Csg: 5 1/2", 14, 15.5, 17 & 20#, J-55 & N-80
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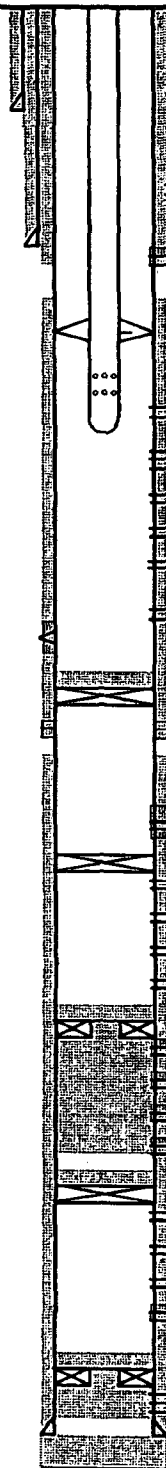
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(35' cmt on top)

CICR @ 7700'
(10' cmt on top)

COTD: 4115'
PBTD: 4115'
TD: 8220'

Updated: 8/22/02 LOPK

By: LPW



District I
1625 N. French Dr., Hobbs, NM 88240

District II
811 South First, Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-104
Revised March 25, 1999

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Chevron U.S.A. Inc. P.O. Box 1150 Midland, TX 79702		² OGRID Number 4323
		³ Reason for Filing Code RC
⁴ API Number 30-0 30-025-06624	⁵ Pool Name PENROSE SKELLY; GRAYBURG	⁶ Pool Code 50350
⁷ Property Code 2669	⁸ Property Name HARRY LEONARD (NCT-E)	⁹ Well Number 5

II. ¹⁰ Surface Location

UL or lot no. H	Section 16	Township 21N	Range 37E	Lot. Idn	Feet from the 2310	North/South Line NORTH	Feet from the 330	East/West line EAST	County LEA
---------------------------	----------------------	------------------------	---------------------	----------	------------------------------	----------------------------------	-----------------------------	-------------------------------	----------------------

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
S	P								
¹² Lsc Code	¹³ Producing Method Code	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description
034019	PHILLIPS PETROLEUM 4001 PENEROOK ODESSA, TX 79762	0709910	O	H-16-218-37E
024650	DYNEGY MIDSTREAM SERVICES, LP 1000 LOUISIANA, SUITE 5800 HOUSTON, TX 77002-5050	2806575	G	H-16-218-37E

IV. Produced Water

²³ POD 0709950	²⁴ POD ULSTR Location and Description
-------------------------------------	--

V. Well Completion Data

²⁵ Spud Date 12/10/01	²⁶ Ready Date 12/10/01	²⁷ TD 8220'	²⁸ PBTB 4115'	²⁹ Perforations 3768'-3985'	³⁰ DHC, MC
³¹ Hole Size NO NEW CASING	³² Casing & Tubing Size 2-7/8"	³³ Depth Set 3740'	³⁴ Sacks Cement		

VI. Well Test Data

³⁵ Date New Oil 12/10/01	³⁶ Gas Delivery Date	³⁷ Test Date 1/14/02	³⁸ Test Length 24 HRS	³⁹ Tbg. Pressure 125	⁴⁰ Csg. Pressure 0
⁴¹ Choke Size W.O.	⁴² Oil 45	⁴³ Water 60	⁴⁴ Gas 152	⁴⁵ AOF	⁴⁶ Test Method PUMPING

⁴⁷ I hereby certify that the rules 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. Signature: <i>J. K. Ripley</i>		OIL CONSERVATION DIVISION Approved by: ORIGINAL SIGNED BY PAUL F. KAUTZ PETROLEUM ENGINEER	
Printed name: J. K. RIPLEY		Title:	
Title: REGULATORY O.A.		Approval Date: FEB 18 2002	
Date: 1/15/02	Phone: (915) 687-7148		

⁴⁸ If this is a change of operator fill in the OGRID number and name of the previous operator			
Previous Operator Signature	Printed Name	Title <i>JS</i>	Date

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 87240
District II
811 South First, Artesia, NM 87210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-103
Revised March 25, 1999

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>	5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator <u>Chevron U.S.A. Inc.</u>	6. State Oil & Gas Lease No.
3. Address of Operator <u>P.O. Box 1150 Midland, TX 79702</u>	7. Lease Name or Unit Agreement Name: <u>HARRY LEONARD (NCT-E)</u>
4. Well Location Unit Letter <u>H</u> : <u>2310</u> feet from the <u>NORTH</u> line and <u>330</u> feet from the <u>EAST</u> line Section <u>16</u> Township <u>21S</u> Range <u>37E</u> NMPM County <u>LEA</u>	8. Well No. <u>5</u>
	9. Pool name or Wildcat <u>PENROSE SKELLY GRAYBURG</u>
10. Elevation (Show whether DR, RKB, RT, GR, etc.)	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETION <input type="checkbox"/> OTHER: <input type="checkbox"/>	SUBSEQUENT REPORT OF: REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> PLUG AND ABANDONMENT <input type="checkbox"/> CASING TEST AND CEMENT JOB <input type="checkbox"/> OTHER: <u>RECOMPLETED</u> <input checked="" type="checkbox"/>

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. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

SET CIBP @ 4150'; DUMPED 35' CMT ON TOP. PERFD 3768'-3985' W/4 JHPF. ACZD
W/217 GALS 15%. RTH W/TBG, PUMP & RODS. RETURNED WELL TO PRODUCTION.

WORK PERFORMED 11/26/01 - 12/10/01

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

SIGNATURE J. K. Ripley TITLE REGULATORY O.A. DATE 1/15/02
Type or print name J. K. RIPLEY ORIGINAL SIGNED BY PAUL F. K... Telephone No. (915) 687-7148
(This space for State use) PETROLEUM ENGINEER

APPROVED BY J. K. Ripley TITLE PETROLEUM ENGINEER DATE FEB 18 2002
Conditions of approval, if any:

PAUL F. K...

1625 N. French, Hobbs, NM 88240

District II

811 South First, Artesia, NM 87210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

2040 South Pacheco, Santa Fe, NM 87505

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

WELL API NO.

30-025-06624

5. Indicate Type Of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

HARRY LEONARD (NCT-E)

8. Well No.

5

9. Pool name or Wildcat

PENROSE SKELLY, GRAYBURG

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:

OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

b. Type of Completion:

NEW WELL ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☒ DIFF. RESVR. ☐ OTHER ☐

2. Name of Operator

Chevron U.S.A. Inc.

3. Address of Operator

P.O. Box 1150 Midland, TX 79702

4. Well Location

Unit Letter **H** : **2310** Feet From The **NORTH** Line and **330** Feet From The **EAST** Line

Section **16** Township **21S** Range **37E** NMPM **1EA** County

10. Date Spudded

11. Date T.D. Reached

12. Date Compl. (Ready to Prod.)

12/10/01

13. Elevations (DF & RKB, RT, GR, etc.)

14. Elev. Casinghead

15. Total Depth

8220'

16. Plug Back T.D.

4115'

17. If Multiple Compl. How Many Zones?

18. Intervals Drilled By

Rotary Tools

Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name

3768'-3985'

20. Was Directional Survey Made

21. Type Electric and Other Logs Run

22. Was Well Cored

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
NO NEW CASING					

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-7/8"		3740'

26. Perforation record (interval, size, and number)

3768'-3985' W/4 JEPP

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED

3768'-3985' 217 GALS 15%

28. PRODUCTION

Date First Production

12/10/01

Production Method (Flowing, gas lift, pumping - Size and type pump)

PUMPING

Well Status (Prod. or Shut-in)

PROD

Date of Test

1/14/02

Hours Tested

24

Choke Size

W.O.

Prod'n For Test Period

45

Oil - Bbl.

45

Gas - MCF

152

Water - Bbl.

60

Gas - Oil Ratio

3378

Flow Tubing Press.

125

Casing Pressure

0

Calculated 24-Hour Rate

45

Oil - Bbl.

45

Gas - MCF

152

Water - Bbl.

60

Oil Gravity - API (Corr.)

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

SOLD

Test Witnessed By

30. List Attachments

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature

J. K. Ripley

Printed Name

J. K. RIPLEY

Title

REGULATORY O.A.

Date

1/15/02

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northeastern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Otzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Delaware Sand _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Bone Springs _____	T. Entrada _____	T. _____
T. Abo _____	T. _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from _____ to _____
 No. 2, from _____ to _____
 No. 3, from _____ to _____
 No. 4, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____ feet _____

No. 2, from _____ to _____ feet _____

No. 3, from _____ to _____ feet _____

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology

From	To	Thickness in Feet	Lithology

State of New Mexico
Energy, Minerals & Natural Resources

Form C-101
Revised March 17, 1999

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. 1st Street, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Submit to appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Chevron U.S.A. Inc. P.O. Box 1150 Midland, TX 79702		² OGRID Number 4323
		³ API Number 30- 30-025-06624
⁴ Property Code 2669	⁵ Property Name HARRY LEONARD (NCT-E)	⁶ Well No. 5

⁷ Surface Location									
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
H	16	21S	37E		2310	NORTH	330	EAST	LEA

⁸ Proposed Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
⁹ Proposed Pool 1 PENROSE SKELLY; GRAYBURG 50350					¹⁰ Proposed Pool 2				

¹¹ Work Type Code P	¹² Well Type Code O	¹³ Cable/Rotary	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation
¹⁶ Multiple	¹⁷ Proposed Depth 3880'	¹⁸ Formation GRAYBURG	¹⁹ Contractor	²⁰ Spud Date

²¹ Proposed Casing and Cement Program					
Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
NO NEW CASING					

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone.
Describe the blowout prevention program, if any. Use additional sheets if necessary.

CHEVRON PROPOSES TO:
SET CIBP @ 3900'; DUMP 20' CMT ON TOP. PERF AS LOGS INDICATE (APPROX 3750'-3850')
W/4 JHPF. ACZ & FRAC. SWAB. RIH W/TBG, PUMP & RODS. RETURN WELL TO PRODUCTION.

Permit Expires 1 Year From Approval
Date Unless Drilling Underway

Plug-Back

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.		OIL CONSERVATION DIVISION	
Signature: <i>J. K. Ripley</i>		Approved by:	
Printed name: J. K. RIPLEY		Title:	
Title: REGULATORY O.A.		Approval Date: <i>8/27/01</i>	Expiration Date:
Date: 8/27/01	Phone: (915) 687-7148	Conditions of Approval: Attached <input type="checkbox"/>	

3
2
A

District I
1625 N. French Dr., Hobbs, NM 88240

District II
811 South First, Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 15, 2000

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-06624		² Pool Code 50350		³ Pool Name Penrose Skelly; Grayburg	
⁴ Property Code 2669		⁵ Property Name Harry Leonard (NCT-E)			⁶ Well Number 5
⁷ OGRID No. 4323		⁸ Operator Name Chevron U.S.A. Inc.			⁹ Elevation

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	16	21S	37E		2310	North	330	East	Lea

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁶					2310 ● 330	¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>	
						Signature <i>J. K. Ripley</i> J. K. Ripley	
						Printed Name Regulatory O.A.	
						Title 8/27/01 Date	
						¹⁸ SURVEYOR CERTIFICATION <i>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 belief.</i>	
						Date of Survey Signature and Seal of Professional Surveyor:	
						Certificate Number	

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

OIL CONSERVATION DIVISION

DISTRICT I
P.O. Box 1980, Hobbs NM 88241-1980

2040 Pacheco St.
Santa Fe, NM 87505

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL API NO. 30-025-06624
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name HARRY LEONARD (NCT-E)
8. Well No. 5
9. Pool name or Wildcat DRINKARD
10. Elevation (Show whether DF, RKB, RT, GR, etc.)

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

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

2. Name of Operator
Chevron U.S.A. Inc.

3. Address of Operator
P.O. Box 1150, Midland, TX 79702

4. Well Location
Unit Letter H 2310 Feet From The NORTH Line and 330 Feet From The EAST Line

Section 16 Township 21S Range 37E NMPM LEA County

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
OTHER: <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>
	OTHER: <u>TA'D</u> <input checked="" type="checkbox"/>

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.

POH W/TBG. LOCATED CSG LEAK @ 2850'. CIBP @ 6425' OK. LOCATED CSG LEAK 3928'-3960'. SET CR @ 3860'; SQZD W/75 SX CL "C" 1200#. RVRSD OUT 1 BBL CMT. SPOTTED 25 SX CL "C" @ 2973'. TSTD CSG 500#. TAGGED CMT @ 2705'; DRLD 2705'-3015'. TSTD CSG 300# 15 MIN - OK. DRLD CR & CMT 3860'-3965'. TSTD 300#. BLED TO 0# IN 10 SEC. SET CR @ 3860'. TSTD ANN - HELD OK. ESTAB INJ RATE. SQZD W/150 SX CL "C" 2500#. CIRC 2 BBLS. TAGGED CMT @ 3830'; DRLD 3830'-3860'. DRLD CR & CMT 3860'-3993'. CIRC HOLE CLEAN. TSTD CSG 500# 30 MIN - HELD OK.

TA'D 10/24/97

This Approval of Temporary
Abandonment Expires 3/30/2003

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

SIGNATURE J. K. Ripley TITLE TECHNICAL ASSISTANT DATE 3/10/98

TYPE OR PRINT NAME J. K. RIPLEY TELEPHONE NO. (915)687-7148

(This space for State Use)
ORIGINAL SIGNED BY CHRIS WILLIAMS
DISTRICT I SUPERVISOR

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs NM 88241-1980

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

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

WELL API NO.	30-025-06624
5. Indicate Type of Lease	STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name	HARRY LEONARD (NCT-E)
8. Well No.	5
9. Pool name or Wildcat	DRINKARD
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	

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

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

2. Name of Operator
Chevron U.S.A. Inc.

3. Address of Operator
P.O. Box 1150, Midland, TX 79702

4. Well Location
Unit Letter H : 2310 Feet From The NORTH Line and 330 Feet From The EAST Line

Section 16 Township 21S Range 37E NMPM LEA County

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

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

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

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: ~~TA-B~~ Sheet-Tw ☒

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.

POH W/TBG. RAN SCRAPER TO 5293'; FOUND BAD SPOT IN CSG. RAN SCRAPER TO 6449'. SET CIBP @ 6425'. PPD 200 BBLS FLUID. TRIED TO PRESS TO 500#-COULD NOT; PRESSURE ON CSG WAS COMING FROM DRINKARD (HOLE IS PROBABLY IN AREA OF SQZD SPOT @ 5293'-5400').

WORK PERFORMED 7/1/97 - 7/7/97

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

SIGNATURE J. K. Ripley TITLE TECHNICAL ASSISTANT DATE 8/19/97
TYPE OR PRINT NAME J. K. RIPLEY TELEPHONE NO. (915)687-7148

(This space for State Use)

APPROVED BY _____ TITLE Orig. Signed by Paul Kautz Geologist DATE AUG 22 1997
CONDITIONS OF APPROVAL, IF ANY: _____

CS

mt

District I
PO Box 1989, Hobbs, NM 88241-1980
District II
811 S. 1st Street, Artesia, NM 88210-2834
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Oil, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, NM 87504-2088

Form C-104
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Chevron U.S.A. Inc. P.O. Box 1150 Midland, TX 79702		² OGRID Number 4323 EFFECTIVE 1-1-94
⁴ API Number 30-025-06624		³ Reason for Filing Code Remove extra Gas POD# 0709930
⁵ Pool Name Drinkard	⁶ Pool Code 19190	
⁷ Property Code 002669	⁸ Property Name Harry Leonard NCT-E	⁹ Well Number 5

II. ¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
H	16	21S	37E		2310	North	330	East	Lea

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
¹² Lse Code S	¹³ Producing Method Code SI	¹⁴ Gas Connection Date 01/07/95	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description
024650	Warren Petroleum P.O. Box 1589 Tulsa, OK 74102	2806575	G	NOT connected to 0709930; please remove. Metered separately; gas POD s/b 2806575 only. Loc: H-16-21-37
022628	Texas-New Mexico Pipeline Co. P.O. Box 5568 TA Denver, CO 80217	0709910	O	Location: H-16-21-37

IV. Produced Water

²³ POD	²⁴ POD ULSTR Location and Description

V. Well Completion Data

²⁵ Spud Date	²⁶ Ready Date	²⁷ TD	²⁸ FBTD	²⁹ Perforations
³⁰ Hole Size	³¹ Casing & Tubing Size	³² Depth Set	³³ Sacks Cement	

VI. Well Test Data

³⁴ Date New Oil	³⁵ Gas Delivery Date	³⁶ Test Date	³⁷ Test Length	³⁸ Tbg. Pressure	³⁹ Csg. Pressure
⁴⁰ Choke Size	⁴¹ Oil	⁴² Water	⁴³ Gas	⁴⁴ AOF	⁴⁵ Test Method

⁴⁶ I hereby certify that the rules 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.

Signature: *Sonja Gray*

Printed name: Sonja Gray

Title: Technical Assistant

Date: 12/21/95

Phone: 915-687-7348

OIL CONSERVATION DIVISION

Approved by: ORIGINAL SIGNED BY
GARY WINK

Title: FIELD REP. II

Approval Date:

DEC 26 1995

⁴⁷ If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature

Printed Name

Title

Date

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

Form C-104
Revised 10-01-78
Format 06-01-83
Page 1

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
OPERATOR	GAS
PRODUCTION OFFICE	

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. Operator
CHEVRON U.S.A. INC.

Address
P. O. Box 670, Hobbs, NM 88240

Reason(s) for filing (Check proper box)

<input type="checkbox"/> New Well	Change in Transporter of:	<input type="checkbox"/> Dry Gas
<input type="checkbox"/> Recompletion	<input type="checkbox"/> Oil	<input type="checkbox"/> Condensate
<input checked="" type="checkbox"/> Change in Ownership	<input type="checkbox"/> Casinghead Gas	

Other (Please explain)
Name Change Effective 7-1-85

If change of ownership give name and address of previous owner **Gulf Oil Corp., P. O. Box 670, Hobbs, NM 88240**

II. DESCRIPTION OF WELL AND LEASE

Lease Name Harry Leona (NCT-E)	Well No. 5	Pool Name including Formation Drinhard	Kind of Lease State, Federal or Fee State	Lease No. B-1732
Location Unit Letter H 2310 Feet From The North Line and 330 Feet From The East Line of Section 16 Township 21-S Range 37-E NMPM. Lea County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/> Lugar-New Mexico Pipeline Co.	Address (Give address to which approved copy of this form is to be sent) Box 1510 Midland TX 79701
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/> Warren Petroleum Corporation	Address (Give address to which approved copy of this form is to be sent) Box 1589 Tulsa OK 74100
If well produces oil or liquids, give location of tanks. Unit G Sec. 16 Twp. 21-S Rge. 37-E	Is gas actually connected? Yes When January 7, 1975

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

NOTE: Complete Parts IV and V on reverse side if necessary.

VI. 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 is true and complete to the best of my knowledge and belief.

R.D. Pite
(Signature)

Area Engineer
(Title)

5-31-85
(Date)

OIL CONSERVATION DIVISION

APPROVED **AUG - 7 1985**
BY **J. P. [Signature]**
TITLE **DISTRICT 1 SUPERVISOR**

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

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

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

Form C-101
Revised 10-1-78

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

5a. Indicate Type of Lease
State ☒ Fee ☐
5. State Oil & Gas Lease No.
B-1732

7. Unit Agreement Date

8. Form or Lease Name

9. Well No.

10. Field and Pool, or Wildcat

12. County

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL ☐ GAS ☐ OTHER ☐
2. Name of Operator
Gulf Oil Corporation
3. Address of Operator
P.O. Box 670, Hobbs, NM 88240
4. Location of Well
UNIT LETTER **H** **2310** FEET FROM THE **North** LINE AND **330** FEET FROM
THE **East** LINE, SECTION **16** TOWNSHIP **21S** RANGE **37E** N.M.P.M.

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

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

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	OTHER Repair Csg <input checked="" type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1503.

POH w/ production eqpt. set RBP @ 6465' dump 254 frac sand on RBP. found leak @ 5348'-5300'. set cmt retainers @ 5223' test csg 500#. Pump 200 sq Class "C". Squeeze to 2100#. Tag cmt @ 5218'. Drill cmt + cmt retainers to 5326'. fish hole clean. Test squeeze 500#. OK. Per 5 1/2" csg @ 2850' w/ (4) 1/2 JH. set cmt retainers @ 2782'. Pump 250 sq Class "C" w/ 400 gel + 200 sq Class "C" neat. Squeeze to 1000#. Tag cmt @ 2772'. Drill cmt retainers + cmt to 2865'. Test squeeze 500#. OK. Circ sand off RBP. POH. G.H. w/ rods, pump + thg. Ppg 580, 55 BW, 70 MCF gas in 24 hrs. Before, well was closed in. Complete after repairing csg leak + returning to production 8-8-83.

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

SIGNED **RDPite** TITLE **AREA ENGINEER** DATE **8-9-83**

ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT I SUPERVISOR

AUG 11 1983

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

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

5a. Indicate Type of Lease State <input checked="" type="checkbox"/> For <input type="checkbox"/>
5. State Oil & Gas Lease No. B-1732
7. Unit Agreement Name
8. Farm or Lease Name Harry Leonard (NCT-E)
9. Well No. 5
10. Field and Pool, or Wildcat Drinkard
12. County Lea

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. ☐ OIL WELL ☐ GAS WELL ☐ OTHER-

2. Name of Operator
Gulf Oil Corporation

3. Address of Operator
P. O. Box 670, Hobbs, NM 88240

4. Location of Well
UNIT LETTER H 2310 FEET FROM THE North LINE AND 330 FEET FROM THE East LINE, SECTION 16 TOWNSHIP 21S RANGE 37E NMPM.

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

16. 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 Repair Casing ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER ☐

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1703.

POH with production equipment. Set RBP at 6470', cap with 10' sand. Locate casing leak from RBP to surface. Set cement retainer 75' above casing leak. Cement as necessary. Drill out cement retainer and cement. Test casing 500#. Clean out to RBP. POH with RBP. GIH with 2-7/8" tubing, rods and pump.

THE COMMISSION MUST BE NOTIFIED
24 HOURS PRIOR TO COMMENCING WORK

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

SIGNED RDPitre TITLE Area Engineer DATE 5-6-83

APPROVED BY ORIGINAL SIGNED BY JERRY SEXTON TITLE DISTRICT 1 SUPERVISOR DATE MAY 9 1983

CONDITIONS OF APPROVAL, IF ANY:

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-

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

5a. Indicate Type of Lease
State ☒ Fee ☐

5. State Oil & Gas Lease No.
B-1732

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

OIL WELL ☐ GAS WELL ☐ OTHER ☐

Name of Operator

Gulf Oil Corporation

Address of Operator

P. O. Box 670, Hobbs, NM 88240

Location of Well

UNIT LETTER H 2310 FEET FROM THE North LINE AND 330 FEET FROM

THE East LINE, SECTION 16 TOWNSHIP 21S RANGE 37E NMPM.

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

7. Unit Agreement Name

8. Farm or Lease Name

Harry Leonard (NCT-E)

9. Well No.

5

10. Field and Pool, or Wildcat

Drinkard

12. County

Lea

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

REMEDIAL WORK ☐

ALTERING CASING ☐

TEMPORARILY ABANDON ☐

COMMENCE DRILLING OPS. ☐

PLUG AND ABANDONMENT ☐

PULL OR ALTER CASING ☐

CHANGE PLANS ☐

CASING TEST AND CEMENT JOB ☐

OTHER Status Report

OTHER ☐

7. 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.

The above well is currently closed in; uneconomical to produce.

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

SIGNED R.D. Pate

TITLE Area Engineer

DATE 6-4-82

ORIGINAL SIGNED BY

PROVED BY JERRY SEXTON

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Expires 6/7/83

JUN 8 1982

DISTRIBUTION	
SA	TA FE
FI	E
G.S.	
ID	OFFICE
TRANSPORTER	OIL
	GAS
OPERATOR	
PRORATION OFFICE	

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
 Supersedes Old C-104 and C-116
 Effective 4-1-65

I. OPERATOR
 Operator Gulf Oil Corporation
 Address Box 670, Hobbs, New Mexico 88240
 Reason(s) for filing (Check proper box)
 New Well ☐ Change in Transporter of: Oil ☐ Dry Gas ☐
 Recompletion ☐ Oil ☐ Casinghead Gas ☐ Condensate ☐
 Change in Ownership ☐ Other (Please explain) Gas is connected to Warren's system but run to El Paso Natural Gas Co account

If change of ownership give name and address of previous owner _____

II. DESCRIPTION OF WELL AND LEASE

Lease Name Harry Leonard (NCT-E)	Well No. 5	Pool Name, including Formation Drinkard	Kind of Lease State, Federal or Fee State	Lease No. B-1732
Location Unit Letter H ; 2310 Feet From The North Line and 330 Feet From The East Line of Section 16 Township 21-S Range 37-E , NMPM, Lea County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/> Texas-New Mexico Pipeline Co.	Address (Give address to which approved copy of this form is to be sent) Box 1510, Midland, Texas 79701
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/> Warren Petroleum Corporation	Address (Give address to which approved copy of this form is to be sent) Box 1589, Tulsa, Oklahoma 74100
If well produces oil or liquids, give location of tanks. G 16 21-S 37-E	Is gas actually connected? Yes When January 7, 1975

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

IV. COMPLETION DATA

Designate Type of Completion - (X)	<input type="checkbox"/> Oil Well	<input type="checkbox"/> Gas Well	<input type="checkbox"/> New Well	<input type="checkbox"/> Workover	<input type="checkbox"/> Deepen	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Same Res'v.	<input type="checkbox"/> Diff. Res'v.
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.			
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth			
Perforations					Depth Casing Shoe			
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			

V. 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 allowable 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 - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (shut-in)	Casing Pressure (shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

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

B. J. Barbush
 (Signature)
 Area Engineer
 (Title)
 January 8, 1975
 (Date)

OIL CONSERVATION COMMISSION

APPROVED JAN 9 1975, 19_____
 BY Joe D. ...
 TITLE Dist.

This form is to be filed in compliance with RULE 1104.
 If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.
 All sections of this form must be filled out completely for allowable on new and recompleted wells.
 Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-110
Effective 1-1-65

DISTRIBUTION		
SA	TA	FE
FILE		
G.S.		
D OFFICE		
TRANSPORTER	OIL	
	GAS	
OPERATOR		

I. PROPRATION OFFICE

Operator Gulf Oil Corporation

Address Box 670, Hobbs, New Mexico 88240

Reason(s) for filing (Check proper box)

New Well	<input type="checkbox"/>	Change in Transporter of:		Other (Please explain)
Recompletion	<input type="checkbox"/>	Oil	<input type="checkbox"/>	Abandoned Wantz Abo & Comp. in Drinkard.
Change in Ownership	<input type="checkbox"/>	Casinghead Gas	<input type="checkbox"/>	Gas will be connected to Warren's system
		Condensate	<input type="checkbox"/>	but run to El Paso Natural Gas Co. Acct.

CASINGHEAD GAS MUST NOT BE
FLARED AFTER 1/21/75
UNLESS AN EXCEPTION TO R-4070
IS OBTAINED.

If change of ownership give name
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, including Formation	Kind of Lease	Lease No.
Harry Leonard (NCT-E)	5	(Drinkard)	State, Federal or Fee	B-1732
Location				
Unit Letter	H	2310 Feet From The	North	Line and 330 Feet From The
		East		
Line of Section	16	Township	21-S	Range 37-E, NMPM, Lea County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
Texas-New Mexico Pipeline Co.	Box 1510, Midland, Texas 79701					
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
Warren Petroleum Corporation	Box 1589, Tulsa, Oklahoma 74100					
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	G	16	21-S	37-E	No	

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

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		X				X		
Date Recompleted	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
11-21-74	11-21-74	8220	6707'					
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth					
3481' GL	Drinkard	6484'	6415'					
Perforations	Depth Casing Shoe							
6484' to 6663'	7999'							
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
17-1/4"	12-3/4"	268'	325 sacks (Circulated)					
11"	8-5/8"	2799'	1100 sacks (Circulated)					
7-7/8"	5-1/2"	7999'	131 sacks (TOC at 7540)					
	2-7/8"	6415'						

V. 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 allowable 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.)	
11-21-74	11-25-74	Flow	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
24 hours	600#	---	20/64"
Actual Prod. During Test	Oil-Bble.	Water-Bble.	Gas-MCF
44	42	2	1168

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bble. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

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



Area Engineer
(Title)

November 27, 1974
(Date)

OIL CONSERVATION COMMISSION

APPROVED _____, 19____

BY _____

TITLE _____

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

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

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LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

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

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	
B-1732	
7. Unit Agreement Name	
8. Farm or Lease Name	
Harry Leonard (NCT-E)	
9. Well No.	
5	
10. Field and Pool, or Wildcat	
Drinkard	
12. County	
Lea	

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

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER-	2. Name of Operator
	Gulf Oil Corporation
3. Address of Operator	
	Box 670, Hobbs, New Mexico 88240
4. Location of Well	
UNIT LETTER <u>H</u> <u>2310</u> FEET FROM THE <u>North</u> LINE AND <u>330</u> FEET FROM	
THE <u>East</u> LINE, SECTION <u>16</u> TOWNSHIP <u>21-S</u> RANGE <u>37-E</u> NMPM.	
15. Elevation (Show whether DF, RT, GR, etc.)	
	3481' GL

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	OTHER <input type="checkbox"/>

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

8220' TD, 6707' PB.

Pulled producing equipment. Set cement retainer at 6707' and squeezed Wantz Abo perforations 6745' to 7229' with 150 sacks of Class C cement. Reversed out approximately 10 sacks. Maximum pressure 1150#. Held 1000#, 30 minutes, OK. Perforated Drinkard zone in 5-1/2" casing with 4, 1/2" JHPF at 6484-86', 6527-29', 6586-88', 6608-10' and 6661-63'. Ran Baker Model R packer on 2-7/8" tubing and set at 6415' with 14,000# compression. Treated new perforations with 1600 gallons of 15% NE acid and frac treated with 10,000 gallons of gel water and 25,000 gallons containing 1 to 2# SPG. Flushed with 1900 gallons of gel water. Maximum pressure 3700#, minimum 3100#, ISIP 1550#, after 15 minutes 1400#. AIR 15.1 BPM. Flowed and cleaned up. Closed well in pending gas line connection.

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

SIGNED B. J. Barakat TITLE Area Engineer DATE November 27, 1974

APPROVED BY _____ TITLE _____ DATE DEC 1

CONDITIONS OF APPROVAL, IF ANY: Oil & Gas

OF COPIES RECEIVED	
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LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

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

5a. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No. B-1732

SUNDRY NOTICES AND REPORTS ON WELLS <small>(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.)</small>	
1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER-	7. Unit Agreement Name
2. Name of Operator Gulf Oil Corporation	8. Farm or Lease Name Harry Leonard (NCT-E)
3. Address of Operator P. O. Box 670, Hobbs, N.M. 88240	9. Well No. 5
4. Location of Well UNIT LETTER <u>H</u> <u>2310</u> FEET FROM THE <u>north</u> LINE AND <u>330</u> FEET FROM THE <u>east</u> LINE, SECTION <u>16</u> TOWNSHIP <u>21S</u> RANGE <u>37E</u> NMPM.	10. Field and Pool, or Wildcat Wantz Abo

15. Elevation (Show whether DF, RT, CR, etc.) 3481' GL	12. County Lea
---	-------------------

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUS AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>				
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUS AND ABANDONMENT <input type="checkbox"/>				
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	OTHER <u>Well Status Report</u> <input checked="" type="checkbox"/>				

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1709.
Well last produced in May, 1974. Will recomplate in Drinkard in 1975.

Expires 10/1/75

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

SIGNED <u>B. J. Barbee</u>	TITLE <u>Area Engineer</u>	DATE <u>10-15-74</u>
APPROVED BY <u>Joe D. Ramey</u>	TITLE <u>Dist. Engineer</u>	DATE <u>10-15-74</u>

CONDITIONS OF APPROVAL, IF ANY:

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LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

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

5a. Indicate Type of Lease	
State <input type="checkbox"/>	Fee <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	
7. Unit Agreement Name	
8. Farm or Lease Name	
Harry Leonard (NCT-E)	
9. Well No.	
5	
10. Field and Pool, or Wildcat	
Wantz Abo	
12. County	
Lea	

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

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>
2. Name of Operator
Gulf Oil Corporation
3. Address of Operator
Box 670, Hobbs, New Mexico 8824 0
4. Location of Well
UNIT LETTER <u>H</u> , <u>2310</u> FEET FROM THE <u>North</u> LINE AND <u>330</u> FEET FROM
THE <u>East</u> LINE, SECTION <u>16</u> TOWNSHIP <u>21-S</u> RANGE <u>37-E</u> NMPM.
15. Elevation (Show whether DF, RT, CR, etc.)
3481' GL

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

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <u>Abandon Wantz Abo and complete in Drinkard</u> <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	OTHER <input type="checkbox"/>

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

8220' TD, 7245' PB.

Pull producing equipment. Set cement retainer at approximately 6710' and squeeze Wantz Abo perforations 6745' to 7229' with approximately 200 sacks of cement. Perforate Drinkard zone in 5-1/2" casing with 4, 1/2" JHPF in the approximate interval 6484' to 6663'. Run 2-7/8" tubing and packer. Set packer at approximately 6450' and treat new perforations with 2,000 gallons of 15% NE acid and frac treat with 10,000 gallons of gel water and 25,000 gallons of gel water containing 1 to 2# SPG. Flush with 1900 gallons of water. Swab and clean up and place well on production.

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

SIGNED <u>B. J. Lambert</u>	TITLE <u>Area Engineer</u>	DATE <u>August 9, 1974</u>
APPROVED BY <u>John W. Bryan</u>	TITLE <u>Geologist</u>	DATE <u>AUG 12 1974</u>
CONDITIONS OF APPROVAL, IF ANY:		

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Replaces Old C-104 and C-110
Effective 1-1-65

DISTRIBUTION		
SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
TRANSPORTER	OIL	
	GAS	
OPERATOR		
PRODUCTION OFFICE		

Operator Gulf Oil Corporation	
Address Box 670, Hobbs, New Mexico 88240	
Reason(s) for filing (Check proper box)	Other (Please explain)
New Well <input type="checkbox"/>	Change in Transporter of: Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>
Recompletion <input type="checkbox"/>	Change in oil transporter, effective February 28, 1973
Change in Ownership <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>

If change of ownership give name
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name Harry Leonard (NCT-E)	Well No. 5	Pool Name, including Formation Wantz Abo	Kind of Lease State, Federal or Fee	Lease No. Fee
Location Unit Letter E : 2310 Feet From The North Line and 330 Feet From The East				
Line of Section 16 Township 21-S Range 37-E, NMPM, Lea County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)	
Texas-New Mexico Pipeline Co.	Box 1510, Midland, Texas 79701	
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)	
Warren Petroleum Corporation	Box 1589, Tulsa, Oklahoma XXXXX 74100	
If well produces oil or liquids, give location of tanks.	Unit G	Sec. 16
	Twp. 21-S	Rge. 37-E
	Is gas actually connected? Yes	When 1-13-73

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

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Resv.	Diff. Resv.
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.			
Elevations (DF, RKB, RT, CR, etc.)	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth			
Perforations					Depth Casing Shoe			
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			

V. 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 allowable 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 - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure (shut-in)	Casing Pressure (shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

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

K. J. Bragdale
(Signature)
Area Engineer
(Title)
February 28, 1973
(Date)

OIL CONSERVATION COMMISSION

APPROVED _____ 19_____
BY Joe D. Ramey
Dist. I, Supv.
TITLE _____

This form is to be filed in compliance with RULE 1104.
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.
All sections of this form must be filled out completely for allowable on new and recompleted wells.
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.
Separate Forms C-104 must be filed for each pool in multiply completed wells.

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Effective 1-1-73

FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PRODUCTION OFFICE	

Operator Gulf Oil Corporation	
Address Box 670, Hobbs, New Mexico 88240	
Reason(s) for filing (Check proper box)	Other (Please explain)
New Well <input type="checkbox"/>	Change in Transporter of: Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>
Recompletion <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>
Change in Ownership <input type="checkbox"/>	Recompletion

If change of ownership give name and address of previous owner: THIS WELL HAS BEEN PLACED IN THE POOL
DESIGNATED BELOW. IF YOU DO NOT CONCUR
NOTIFY THIS OFFICE.

Lease Name Harry Leonard (NCT-E)	Well No. 5	Pool Name, including Formation Wantz Abo	Kind of Lease State, Federal or Fee	Lease No. Fee
Location Unit Letter H : 2310 Feet From The North Line and 330 Feet From The East Line of Section 16 Township 21-S Range 37-E, NMPM, Lea County				

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>		Address (Give address to which approved copy of this form is to be sent)	
The Permian Corporation		Box 3119, Midland, Texas 79701	
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/>		Address (Give address to which approved copy of this form is to be sent)	
Warren Petroleum Corporation		Box 1589, Tulsa, Oklahoma 74100	
If well produces oil or liquids, give location of tanks.	Unit G	Sec. 16	Twp. 21-S
		Range 37-E	Is gas actually connected? Yes
			When 1-13-73

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

Designate Type of Completion - (X)		Oil Well <input checked="" type="checkbox"/>	Gas Well <input type="checkbox"/>	New Well <input type="checkbox"/>	Workover <input type="checkbox"/>	Deepen <input type="checkbox"/>	Plug Back <input checked="" type="checkbox"/>	Same Resv. Diff. Resv. <input type="checkbox"/>
Date XXXX recompleted 1-10-73	Date Compl. Ready to Prod. 1-10-73	Total Depth 8220'		P.B.T.D. 7245'				
Elevations (DF, RKB, RT, GR, etc.) 3481' GL	Name of Producing Formation Abo	Top Oil XXXX Pay 6745'		Tubing Depth 6698'				
Perforations 6745 - 7229'		Depth Casing Shoe 7999'						
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET		SACKS CEMENT				
17-1/4"	12-3/4"	268'		325 sacks (Circulated)				
11"	8-5/8"	2799'		1100 sacks (Circulated)				
7-7/8"	5-1/2"	7999'		131 sacks (TOC at 7540')				
	2-7/8"	6698'						

V. 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 allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks 1-10-73	Date of Test 1-13-73	Producing Method (Flow, pump, gas lift, etc.) Flow	
Length of Test 23 hours	Tubing Pressure 150#	Casing Pressure ---	Choke Size 16/64"
Actual Prod. During Test 48 barrels	Oil - Bbls. 48	Water - Bbls. 0	Gas - MCF ---

GAS WELL			
Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (shut-in)	Casing Pressure (shut-in)	Choke Size

I. CERTIFICATE OF COMPLIANCE

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

H. J. Baayale
(Signature)
Area Engineer
(Title)
January 18, 1973
(Date)

OIL CONSERVATION COMMISSION	
APPROVED	<u>[Signature]</u>
BY	<u>[Signature]</u>
TITLE	SUPERVISOR TESTER 1
This form is to be filed in compliance with RULE 110.	
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.	
All sections of this form must be filled out completely for allowable on new and recompleted wells.	
Fill out only Sections I, II, III, and VI for change of well name or number, or transporter, or other such change of condition.	
Separate Forms C-104 must be filed for each pool in multiply recompleted wells.	

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LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C- 83
Supersedes Old
C-102 and C-105
Effective 1-1-65

5a. Indicate Type of Lease	
State <input type="checkbox"/>	Fee <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	

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

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. Unit Agreement Name
2. Name of Operator Gulf Oil Corporation		8. Farm or Lease Name Harry Leonard (NCT-E)
3. Address of Operator Box 670, Hobbs, New Mexico 88240		9. Well No. 5
4. Location of Well UNIT LETTER <u>H</u> <u>2310</u> FEET FROM THE <u>North</u> LINE AND <u>330</u> FEET FROM THE <u>East</u> LINE, SECTION <u>16</u> TOWNSHIP <u>21-S</u> RANGE <u>37-E</u> NMPM.		10. Field and Pool, or Wellcat Wantz Abo
15. Elevation (Show whether DF, RT, GR, etc.) 3481' GL		12. County Lea

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	
		OTHER <u>Abandoned Loop 18 Montoya and re-completed in Wantz Abo</u>	

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

7245' PB.

Pulled producing equipment. Ran CI BP and set at 7280'. Dumped 35' cement on top of BP, abandoning Montoya perforations 7295' to 7333'. Calculated PB at 7245'. Tested casing and BP with 500#, OK. Perforated 5-1/2" casing in Abo zone with 2, 1/2" JHPF at 6745-47', 6820-22', 6888-90', 6956-58', 7024-26', 7161-63', 7198-7200' and 7227-29'. Treated new perforations with 4500 gallons of 15% NE acid. Maximum pressure 3400#, ISIP 1500#, after 15 minutes 1100#. AIR 5.4 BPM. Swabbed and cleaned up and placed well on production.

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

SIGNED <u>K.J. Brzezale</u>	TITLE <u>Area Engineer</u>	DATE <u>January 18, 1972</u>
APPROVED BY <u>Joe D. Ramey</u> Dist. 1, Supv.	TITLE _____	DATE <u>JAN 18 1972</u>
CONDITIONS OF APPROVAL, IF ANY:		

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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease	
STATE <input checked="" type="checkbox"/>	FED. <input type="checkbox"/>
5. State Oil & Gas Lease No.	
R-1732	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/>		8. Farm or Lease Name	
OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		Harry Leonard (NCT-E)	
2. Name of Operator		9. Well No.	
Gulf Oil Corporation		5	
3. Address of Operator		10. Field and Pool, or Wildcat	
Box 670, Hobbs, New Mexico 88240		Loop 18 Montoya	
4. Location of Well UNIT LETTER <u>H</u> LOCATED <u>2310</u> FEET FROM THE <u>North</u> LINE AND <u>330</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>16</u> TWP. <u>21-S</u> RGE. <u>37-E</u> NMPM		12. County	
		Lea	
19. Proposed Depth		19A. Formation	20. Rotary or C.T.
7320'		Abo	--
21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
3481' GL	Blanket	--	January 4, 1973

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17-1/4"	12-3/4"	50#	268'	325 sacks (Circulated)	
11"	8-5/8"	32#	2799'	1100 sacks (Circulated)	
7-7/8"	5-1/2"	15.50#	7999'	131 sacks (TOO at 5392')	

7375' PB, 8220' TD.

Pull producing equipment. Set CI BP in 5-1/2" casing at approximately 7350'. Dump 35' cement plug on top of BP, abandoning Montoya perforations 7295' to 7333'. *Perforate Abo zone in 5-1/2" casing with 2, 1/2" JHPF at approximately 6745-47', 6820-22', 6888-90', 6956-58', 7023-26', 7161-63', 7198-7200' and 7227-29'. Treat new perforations with 4,000 gallons of 15% NE acid. Swab and clean up and place well on production.

* Test BP and casing with 500#.

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, GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed H. J. Brzezale Title Area Engineer Date January 4, 1973

(This space for Original Signed by)

John Runyan
Geologist

APPROVED BY _____ TITLE _____ DATE JAN 5 1973

CONDITIONS OF APPROVAL, IF ANY:

mjb

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NEW MEXICO OIL CONSERVATION COMMISSION

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

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	
B-1732	

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER-		7. Unit Agreement Name
2. Name of Operator Gulf Oil Corporation		8. Farm or Lease Name Harry Leonard (NCT-E)
3. Address of Operator Box 670, Hobbs, New Mexico 88240		9. Well No. 5
4. Location of Well UNIT LETTER <u>H</u> <u>2310</u> FEET FROM THE <u>North</u> LINE AND <u>330</u> FEET FROM THE <u>East</u> LINE, SECTION <u>16</u> TOWNSHIP <u>21-S</u> RANGE <u>37-E</u> NMPM.		10. Field and Pool, or Wildcat Loop 18 Montoya
15. Elevation (Show whether DF, RT, GR, etc.) 3481' GL		12. County Lea

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>

SUBSEQUENT REPORT OF:

REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
CASING TEST AND CEMENT JOBS <input type="checkbox"/>	OTHER <input type="checkbox"/>

Closed in Report.

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

7375' PB.

Subject well uneconomical to produce at this time. To be carried as closed in.

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

SIGNED <u>H. J. Brezina</u>	TITLE <u>Area Engineer</u>	DATE <u>November 3, 1972</u>
Orig. Signed by John Runyan Geologist		
APPROVED BY _____	TITLE _____	DATE <u>NOV 6 1972</u>

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OPERATOR	
PRODUCTION OFFICE	

**NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS**

Form C-104
Supersedes Old C-104 and C-11
Effective 1-1-65

I. OPERATOR
Gulf Oil Corporation
Address
Box 670, Hobbs, New Mexico 88240

Reason(s) for filing (Check proper box)
 New Well ☐ Change in Transporter of:
 Recompletion ☐ Oil ☐ Dry Gas ☐
 Change in Ownership ☐ Casinghead Gas ☐ Condensate ☐ Other (Please explain)
Change in Oil Transporter, effective February 9, 1972

If change of ownership give name and address of previous owner _____

II. DESCRIPTION OF WELL AND LEASE

Lease Name Harry Leonard (NCT-E)	Well No. 5	Pool Name, including Formation Loop 18 Montoya	Kind of Lease State, Federal or Fee State	Lease No. 27179
Location Unit Letter H ; 2310 Feet From The North Line and 330 Feet From The East Line of Section 16 Township 21-S Range 37-E , NMPM, Lea County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> The Permian Corporation	Address (Give address to which approved copy of this form is to be sent) Box 3119, Midland, Texas 79701
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/> Warren Petroleum Corporation	Address (Give address to which approved copy of this form is to be sent) Box 1589, Tulsa, Oklahoma 74100
If well produces oil or liquids, give location of tanks. Unit G Sec. 16 Twp. 21-S Rge. 37-E	Is gas actually connected? Yes When February 21, 1970

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

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res't.	Diff. Res't.
Date Spudded	Date Compl. Ready to Prod.	Total Depth			P.B.T.D.			
Elevations (LF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay			Tubing Depth			
Perforations				Depth Casing Shoe				

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

V. 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 allowable for this depth or be for full 24 hours)

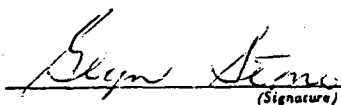
Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

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


(Signature)

Petroleum Engineer

(Title)

February 9, 1972

(Date)

OIL CONSERVATION COMMISSION

APPROVED **FEB 10 1972**, 19

BY **Orig. Signed By Joe D. Ramsey Dist. I, Supv.**
TITLE _____

This form is to be filed in compliance with RULE 1104.
If this is a request for allowable for a newly drilled or deeper well, this form must be accompanied by a tabulation of the deviat 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 own well name or number, or transporter, or other such change of condit

Separate Forms C-104 must be filed for each pool in multi

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TRANSPORTER	OIL
	GAS
OPERATOR	
PRORATION OFFICE	

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
 Supersedes Old C-104 and C-110
 Effective 1-1-65

FEB 24 1970

I. OPERATOR

Operator
Gulf Oil Corporation
 Address
Box 670, Hobbs, New Mexico 88240

Reason(s) for filing (Check proper box)

New Well <input type="checkbox"/>	Change in Transporter of: Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>	Other (Please explain) To show gas transported, effective 2-21-70
Recompletion <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>	
Change in Ownership <input type="checkbox"/>		

If change of ownership give name and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name Harry Leonard (NCL-E)	Well No. 5	Pool Name, Including Formation Loop 15 Montoya	Kind of Lease State, Federal or Fee State	Lease No. 27179
Location				
Unit Letter H ; 2310 Feet From The North Line and 330 Feet From The East				
Line of Section 16 Township 21-S Range 37-E , NMPM, Lee County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> Admiral Grade Oil Corporation	Address (Give address to which approved copy of this form is to be sent) Box 1713, Midland, Texas 79701	
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/> Warren Petroleum Corporation	Address (Give address to which approved copy of this form is to be sent) Box 1589, Tulsa, Oklahoma	
If well produces oil or liquids, give location of tanks.	Unit G	Sec. 16
	Twp. 21-S	Rge. 37-E
	Is gas actually connected? Yes	When February 21, 1970

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

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.			
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth			
Perforations					Depth Casing Shoe			
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			

V. 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 allowable 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 - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (shut-in)	Casing Pressure (shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

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

ORIGINAL SIGNED BY
C. D. BORLAND
 (Signature)
Area Production Manager
 (Title)
February 21, 1970
 (Date)

OIL CONSERVATION COMMISSION

APPROVED _____, 19__
 BY **[Signature]**
 TITLE **SUPERVISOR**

This form is to be filed in compliance with RULE 1104.
 If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.
 All sections of this form must be filled out completely for allowable on new and recompleted wells.
 Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter or other such change of condition.
 Separate Forms C-104 must be filed for each pool in multiply completed wells.

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LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

FEB 24 1970
Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	
7. Unit Agreement Name	
8. Farm or Lease Name	
Harry Leonard (NCT-E)	
9. Well No.	
5	
10. Field and Pool, or Wildcat	
Loop 18 Montoya	
12. County	
Doa	

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

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>
2. Name of Operator
Gulf Oil Corporation
3. Address of Operator
Box 670, Hobbs, New Mexico 88240
4. Location of Well
UNIT LETTER <u>H</u> <u>2310</u> FEET FROM THE <u>North</u> LINE AND <u>330</u> FEET FROM THE <u>East</u> LINE, SECTION <u>16</u> TOWNSHIP <u>21-S</u> RANGE <u>37-E</u> NMPM.
15. Elevation (Show whether DF, RT, GR, etc.)
3481' GL

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>
OTHER <input type="checkbox"/>	OTHER <input type="checkbox"/>
PLUG AND ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
CHANGE PLANS <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
	Acidized

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

7375' PB.

Pulled rods, pump and tubing. Ran Baker Model B packer on 2-7/8" tubing and set at 7250' with 14,000# compression. Loaded tubing - casing annulus with brine water. Treated 5-1/2" casing perforations 7295' to 7333' with 3,000 gallons of 28% NE acid. Flushed with 45 barrels of brine water. Maximum pressure 2600#, minimum 1500#, AIR 5.25 bpm, ISIP 2100#, after 15 minutes 1900#. Swabbed and cleaned up. Pulled tubing and packer. Ran 2-7/8" tubing, rods and pump and returned well to production.

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

ORIGINAL SIGNED BY	TITLE	DATE
SIGNED <u>C. D. BORLAND</u>	<u>Area Production Manager</u>	<u>February 24, 1970</u>
APPROVED BY <u>[Signature]</u>	TITLE <u>SUPERVISOR DISTRICT</u>	DATE
CONDITIONS OF APPROVAL, IF ANY:		

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TRANSPORTER	OIL
	GAS
OPERATOR	
PRORATION OFFICE	

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-110
Effective 1-1-65

I.

Operator Gulf Oil Corporation	
Address Box 670, Hobbs, New Mexico 88240	
Reason(s) for filing (Check proper box)	Other (Please explain)
New Well <input type="checkbox"/>	Change in Transporter of: <input type="checkbox"/>
Recompletion <input checked="" type="checkbox"/>	Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>
Change in Ownership <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>
Re-entered plugged and abandoned well	

If change of ownership give name and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name Harry Leonard (NCT-E)	Well No. 5	Pool Name, including Formation Wildcat - Montoya	Kind of Lease State, Federal or Fee State	Lease No. 27179
Location Unit Letter H : 2310 Feet From The North Line and 330 Feet From The East Line of Section 16 Township 21-S Range 37-E , NMPM, Lee County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent) Admiral Crude Oil Corporation Box 1113, Midland, Texas 79701	
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent) Vented - waiting on tank battery construction	
If well produces oil or liquids, give location of tanks.	Unit H	Sec. 16
	Twp. 21-S	Rge. 37-E
	Is gas actually connected?	When
	No	

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

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well <input checked="" type="checkbox"/>	Gas Well <input type="checkbox"/>	New Well <input type="checkbox"/>	Workover <input checked="" type="checkbox"/>	Deepen <input type="checkbox"/>	Plug Back <input type="checkbox"/>	Same Res'v. <input type="checkbox"/>	Diff. Res'v. <input type="checkbox"/>
Date shut in Re-entered	Date Compl. Ready to Prod. 9-11-69	Total Depth 8220'	P.B.T.D. 7375'					
Elevations (DF, RKB, RT, GR, etc.) 3481' OL	Name of Producing Formation Montoya	Top Oil Pay 7295'	Tubing Depth 7345'					
Perforations 7295-97', 7317-19' & 7331-33'			Depth Casing Shoe 7999'					

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
17-1/4"	12-3/4"	268'	325 sacks (Circulated)
11"	8-5/8"	2799'	1100 sacks (Circulated)
7-7/8"	5-1/2"	7999'	131 sacks (TOG at 5392')
	2-7/8"	7345'	

V. 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 allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks 9-11-69	Date of Test 9-30-69	Producing Method (Flow, pump, gas lift, etc.) Pumping	
Length of Test 24 hours	Tubing Pressure --	Casing Pressure --	Choke Size 2"
Actual Prod. During Test 232	Oil-Bbls. 226	Water-Bbls. 6	Gas-MCF --

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

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

ORIGINAL SIGNED BY
C. D. BORLAND

(Signature)

Area Production Manager

(Title)

September 30, 1969

(Date)

OIL CONSERVATION COMMISSION

APPROVED

BY

TITLE

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

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

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NEW MEXICO OIL CONSERVATION COMMISSION

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

SUNDRY NOTICES AND REPORTS ON WELLS <small>(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.)</small>		5a. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER-		5. State Oil & Gas Lease No. 27179
2. Name of Operator Gulf Oil Corporation		7. Unit Agreement Name
3. Address of Operator Box 670, Hobbs, New Mexico 88240		8. Farm or Lease Name Harry Leonard (NCT-E)
4. Location of Well UNIT LETTER H 2310 FEET FROM THE North LINE AND 330 FEET FROM THE East LINE, SECTION 16 TOWNSHIP 21-S RANGE 37-E NMPM.		9. Well No. 5
15. Elevation (Show whether DF, RT, GR, etc.) 3481' GR		10. Field and Pool, or Wildcat Wildcat
12. County Lee		

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

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

PLUG AND ABANDON ☐
CHANGE PLANS ☐

REMEDIAL WORK ☐
COMMENCE DRILLING OPNS. ☐
CASING TEST AND CEMENT JOB ☐
OTHER ☐

Re-entered and completed plugged and abandoned well.

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

8220' TD. 7375' PB.

Cleaned out with 4-5/8" bit to 6224'. Tested 5-1/2" perforations at 6200' with 1500#, 20 minutes, OK. Cleaned out to new plug back at 7375'. Perforated 5-1/2" casing from 7295-97', 7317-19' and 7331-33' with 4, 3/8" JHFF. Ran packer on 2-7/8" tubing and set packer at 7370'. Tested casing with 2000#, OK. Spotted 500 gallons of 15% NE acid at 7313'. Set packer in compression at 6693' with 19,000#. Pressured casing with 800#. Formation broke with 1800#. Treated with 2000#. AIR 5 bpm. ISIP 1400#, after 5 minutes 1300#. Swabbed and cleaned up. Ran rods and pump and placed well on production.

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

ORIGINAL SIGNED BY
C. D. BORLAND

SIGNED

TITLE **Area Production Manager**

DATE **September 16, 1969**

SUPERVISOR DISTRICT

APPROVED BY

TITLE

DATE **SEP 19 1969**

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED	
DIVISION	
OFFICE	
DATE	

NEW MEXICO OIL CONSERVATION COMMISSION

SEP 3 2 10 PM 1969

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

5a. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No. 27179
7. Unit Agreement Name
8. Farm or Lease Name Harry Leonard (NCT-E)
9. Well No. 5
10. Field and Pool, or Wildcat Wildcat
12. County Lea

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

1. <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER-
2. Name of Operator Oil Corporation
3. Address of Operator 670, Hobbs, New Mexico 88240
4. Location of Well UNIT LETTER H 2310 FEET FROM THE North LINE AND 330 FEET FROM THE East LINE, SECTION 16 TOWNSHIP 21-S RANGE 37-E NMPM.

15. Elevation (Show whether DF, RT, GR, etc.) 3481' OL
--

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

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input checked="" type="checkbox"/>	

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

Removed dry hole marker. Abbott Brothers drilled 45' surface plug with rat hole machine. Cleaned out with reverse unit to 2435'. Tested perforations in 8-5/8" casing at 2240' with 1000#, 30 minutes, OK. Cleaned out to top of 5-1/2" casing stub at 5348'. Washed over and milled casing stub from 5348' to 5351'. Circulated and POH. Ran 5-1/2" Bowen casing patch on 2 joints, 58' of 5-1/2" 17# N-80 LTRC, 5 joints, 163' of 17# J-55 STAC, 73 joints, 2359' of 14# J-55 STAC, 74 joints, 2356' of J-55 STAC and 12 joints and 1 cut joint, 402' of J-55 15.5# LTRC casing. Total of 166 joints and 1 cut joint, 5338'. Latched onto casing stub at 5351' with 28,000# tension. Released tension to 10,000# and tested casing with 1600#, 30 minutes. OK. Landed casing with 8,000# tension on patch. Cleaned out and tested casing at 5418' with 1400#, 30 minutes. OK.

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

ORIGINAL SIGNED BY SIGNED <u>C. D. BORLAND</u>	TITLE <u>Area Production Manager</u>	DATE <u>September 8, 1969</u>
APPROVED BY <u>[Signature]</u>	TITLE <u>[Signature]</u>	DATE <u>SEP 9 1969</u>
CONDITIONS OF APPROVAL, IF ANY:		

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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

AUG 27 4 20 PM '69

5A. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
5. State Oil & Gas Lease No. 27179
7. Unit Agreement Name
8. Farm or Lease Name Harry Leonard (NOT-R)
9. Well No. 5
10. Field and Pool, or Wildcat Udden, Montoya
12. County Los
19. Proposed Depth 7450'
19A. Formation Montoya
20. Rotary or C.T. Reverse Unit
21. Elevations (Show whether DF, RT, etc.) 3481' GL
21A. Kind & Status Plug. Bond Blanket
21B. Drilling Contractor
22. Approx. Date Work will start September 1, 1969

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work Re-enter P & A well
b. Type of Well DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>
2. Name of Operator Gulf Oil Corporation
3. Address of Operator Box 670, Hobbs, New Mexico 88240
4. Location of Well UNIT LETTER H LOCATED 2310 FEET FROM THE North LINE AND 330 FEET FROM THE East LINE OF SEC. 16 TWP. 21-S RGE. 37-E NMPM
19. Proposed Depth 7450'
19A. Formation Montoya
20. Rotary or C.T. Reverse Unit
21. Elevations (Show whether DF, RT, etc.) 3481' GL
21A. Kind & Status Plug. Bond Blanket
21B. Drilling Contractor
22. Approx. Date Work will start September 1, 1969

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17-1/4"	12-3/4"	50#	268'	325 sacks (Circulated)	
11"	8-5/8"	32#	2799'	1100 sacks (Circulated)	
7-7/8"	5-1/2"	15.5 & 20#	7999' *	131 sacks (TOC at 5392').	

* 5-1/2" casing set at 7999', cut and recovered from 5342'.

It is proposed to re-enter well as follows: Drill surface plug with rat hole machine. Drill plug at 2200' to 2250' with 7-7/8" bit with reverse unit. Test 8-5/8" perforations at 2240' with 1000#, 30 minutes. Drill plugs at 2750' to 2850' and 5100' to 5200'. Wash over 5-1/2" casing stub at 5342' and dress off top of stub with internal mill. Run Bowen casing patch and 5-1/2" 15.5# J-55 casing. Latch on 5-1/2" casing stub. Test with 1000#, 30 minutes. Run 4-1/2" bit and drill out retainer at 6150' and cement below retainer. Test perforations at 6200' with 1000#, 30 minutes. Drill retainer at 7350' and clean out to 7450'. Test perforations at 7400' with 1000#, 30 minutes. Perforate 5-1/2" casing at approximately 7310' to 7350' with 2, 1/2" JHFF. Acidize new perforations with 500 gallons of 15% HCl acid. Swab and test.

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED.

EXPIRES **11-27-69**

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

ORIGINAL SIGNED BY
Signed **C. D. BORLAND** Title **Area Production Manager** Date **August 26, 1969**

(This space for State Use)

APPROVED BY **[Signature]** TITLE **SUPERVISOR DISTRICT** DATE **AUG 27 1969**

CONDITIONS OF APPROVAL, IF ANY

**N 1 XICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-65

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

Operator Gulf Oil Corporation			Lease Harry Leonard (NCT-E)		Well No. 5
Unit Letter H	Section 16	Township 21-S	Range 37-E	County Lea	
Actual Footage Location of Well: 2310 feet from the North line and 330 feet from the East line					
Ground Level Elev. 3481'	Producing Formation Montoya		Pool Undesignated Montoya		Dedicated Acreage: 40 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 thereof (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 Commission.

			0

CERTIFICATION

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

ORIGINAL SIGNED BY

Name **C. E. MACE**

Position

Area Petroleum Engineer

Company

Gulf Oil Corporation

Date

August 26, 1969

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

Registered Professional Engineer
and/or Land Surveyor

Certificate No.

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

Submit this report in TRIPLICATE to the District Office, Oil Conservation Commission, within 10 days after the work specified is completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of plugging of well, result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF PLUGGING WELL	XX	REPORT ON RECOMPLETION OPERATION		REPORT ON (Other)	

January 12, 1953
(Date)

Hobbs, New Mexico
(Place)

Following is a report on the work done and the results obtained under the heading noted above at the

Gulf Oil Corporation
(Company or Operator)

Harry Leonard "E"
(Lease)

Price Drilling Company
(Contractor)

Well No. 5 in the SE 1/4 NE 1/4 of Sec. 16

T. 21-S, R. 37-E, NMPM., Hare Pool, Lea County.

The Dates of this work were as follows: December 29, 1952 - January 6, 1953

Notice of intention to do the work (was) ~~received~~ submitted on Form C-102 on December 23, 1952, 19____, and approval of the proposed plan (was) ~~received~~ obtained.
(Cross out incorrect words)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

SEE ATTACHED SHEET

Witnessed by J. F. Combs
(Name)

Gulf Oil Corporation
(Company)

Drilling Foreman
(Title)

Approved: OIL CONSERVATION COMMISSION

Roy Yarbrough
(Name)

(Title)

(Date)

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

Name: E. L. Taylor

Position: Area Prod. Supt.

Representing: Gulf Oil Corporation

Address: Box 2167, Hobbs, New Mexico

HARRY LEONARD "E" #5

Displaced oil in 5½" casing and 2-3/8" tubing w/160 bbls water. Pulled 2-3/8" tubing, mixed 360 bbls 45 viscosity mud. Ran HOWCO 5½" DM cement retainer on tubing. Set retainer at 7700', mixed and pumped 250 sacks regular Neat Trinity cement thru tubing, pumped 10 bbls water ahead of cement. Formation broke down w/2800# pressure, back to 2200#. Squeezed 130 sacks below retainer w/3000# maximum pressure. Picked up tubing 2' above retainer and back washed 118 sacks cement. Mixed 800 bbls 12# 55 viscosity mud, tested perforation gun lubricator w/2000# pressure, OK. Perforated 5½" casing at 7400' w/6, 3/8" jet holes by Welux. Filled well w/770 bbls mud, pumped thru perforations at 7400' w/2 HOWCO pump trucks. Ran HOWCO 5½" DM squeeze cement retainer on tubing. Set retainer at 7350' and cemented thru tubing and perforations in 5½" casing at 7400' w/355 sacks Trinity Regular Neat cement. Maximum pressure 1100#. Drop bar and closed valve in retainer OK. Backed off and displaced 15' of cement on top retainer, reversed out 25 sacks cement, pulled tubing. Ran HOWCO temperature survey in 12 hours, top cement behind 5½" casing at 5392', WOC 36 hours. Perforated 5½" casing at 6200' w/4, 3/8" jet holes by Welux. Ran HOWCO 5½" DM cement retainer on tubing, set at 6150'. Broke formation down w/2200# pressure back to 1600#, pumped 20 bbls water into formation at 1 bbl per minute w/1600#. Mixed and pumped 300 sacks Regular Neat Longhorn cement, staged 279 sacks into formation thru perforations in 5½" casing at 6200'. Maximum pressure 3000#. Left 7 sacks in casing below retainer, 2 sacks on top retainer and reversed out 12 sacks. Ran HOWCO temperature survey in 6 hours, no cement show above 5392'. Cut 5½" casing at 5342' w/McCullough jet cutter, pulled 5½" casing, recovered 164 joints 5334'. Plug in hole. Heavy mud from 6135' to 5200', 31 sacks cement plug from 5200' to 5100'. Heavy mud from 5100' to 2850', 37 sacks cement plug from 2850' to 2750'. Heavy mud from 2750' to 2250', 18 sacks cement plug from 2250' to 2200'. Heavy mud from 2200' to 50', 18 sacks cement plug from 50' to surface. Installed 4" pipe marker extending 4' above surface.

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS NOTICES

Submit this notice in TRIPLICATE to the District Office, Oil Conservation Commission, before the work specified is to begin. This notice will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approved. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Notice by Checking Below

NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO TEMPORARILY ABANDON WELL		NOTICE OF INTENTION TO DRILL DEEPER	
NOTICE OF INTENTION TO PLUG WELL	XX	NOTICE OF INTENTION TO PLUG BACK		NOTICE OF INTENTION TO SET LINER	
NOTICE OF INTENTION TO SQUEEZE		NOTICE OF INTENTION TO ACIDIZE		NOTICE OF INTENTION TO SHOOT (Nitro)	
NOTICE OF INTENTION TO GUN PERFORATE		NOTICE OF INTENTION (OTHER)		NOTICE OF INTENTION (OTHER)	

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICOHobbs, New Mexico
(Place)December 23, 1952
(Date)

Gentlemen:

Following is a Notice of Intention to do certain work as described below at the Harry Leonard "E"Gulf Oil Corporation
(Company or Operator)Well No. 5 in H
(Unit)SE 1/4 NE 1/4 of Sec. 16, T. 21-S, R. 37-E, NMPM, Hare Pool
(40-acre Subdivision)Lea County.FULL DETAILS OF PROPOSED PLAN OF WORK
(FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS)

Displace oil in 5 1/2" casing with 12# mud - Pull tubing - Run 5 1/2", 20# HOWCO type DC cement retainer on 2-3/8" tubing, set retainer at 7700' and squeeze with 50 sacks cement, leave 5' cement on top of retainer. Run casing knife and cut 5 1/2" casing at 7400' - Pull 5 1/2" casing - Spot cement plug from 6600' to 6125'. Spot 100' plug from 5200' to 5100' - Spot 100' plug from 2850' to 2750' - Spot cement plug 50' to surface. Heavy mud intervals between cement plugs. Install 4" pipe marker to extend 4' above surface.

Approved 1952, 19____
Except as follows:Approved
OIL CONSERVATION COMMISSIONBy Noy Yarbrough
Title Oil & Gas InspectorGulf Oil Corporation
Company or OperatorBy Charles TaylorPosition Area Production Supt.
Send Communications regarding well to:Name Gulf Oil CorporationAddress Box 2167, Hobbs, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

It is necessary that Form C-104 be approved before this form can be approved an an *initial* allowable be assigned to any completed Oil or Gas well. Submit this form in QUADRUPLICATE.

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

Company or Operator Gulf Oil Corporation Lease Harry Leonard "B"
Address Box 2167, Hobbs, New Mexico Box 1290, Fort Worth, Texas
(Local or Field Office) (Principal Place of Business)
Unit H, Well(s) No. 5, Sec. 16, T. 21-S, R. 37-E, Pool Hare
County Lea Kind of Lease: State
If Oil well Location of Tanks On Lease
Authorized Transporter Magnolia Petroleum Company Address of Transporter
Midland, Texas Dallas, Texas
(Local or Field Office) (Principal Place of Business)
Per cent of Oil or Natural Gas to be Transported 100 Other Transporters authorized to transport Oil or Natural Gas
from this unit are none %

REASON FOR FILING: (Please check proper box)

NEW WELL ☐ CHANGE IN OWNERSHIP ☐
CHANGE IN TRANSPORTER ☒ OTHER (Explain under Remarks) ☐

REMARKS:

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 4th day of December, 19 52

Approved _____, 19____

OIL CONSERVATION COMMISSION
By [Signature]
Title Practitioner

Gulf Oil Corporation
By [Signature]
Title Area Prod. Supt.

(See Instructions on Reverse Side)

HARRY LEONARD "E" #5

DRILL STEM TESTS

No. 1, 7-29-52 - Drill Stem Test - Misrun.

No. 2, 7-30-52 - 1 Hour Johnston Drill Stem Test 7290-7415' with 3/4" choke at 7265' - Used 2 packers at 7290' and 7284' - Bombs at 7423' and 7421' - Tool opened 12:30 AM 7-30-52 - No gas, good blow of air throughout test - Recovered 350' gas cut mud with trace oil, no water - Hydrostatic Pressure 3875# - Flowing Pressure 150# - 15 minute BHP 475#.

No. 3, 9-6-52 - 1½ Hour Halliburton Drill Stem Test 7875'-7950' with 5/8" choke at 7841' - Used 2 packers at 7867' and 7875' - Bombs at 7847' and 7948' - Tool opened 2:15 PM 9-6-52 - Gas to surface 9 minutes, 24 hour rate 12,800 cu.ft. - No fluid - Decrease and very weak blow of air 30 minutes, and dead in 1 hour - Recovered 3530' fluid, 3000' oil and gas cut mud, cut 40% oil, 530' salt water, 100' white sand - Hydrostatic Pressure 3876# - Flowing Pressure initial 780# final 2140# - No BHP.

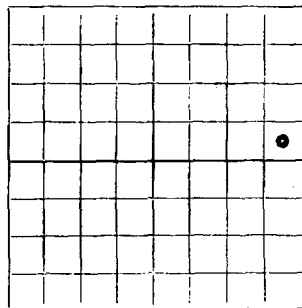
No. 4, 9-11-52 - 1 Hour Halliburton Drill Stem Test 8175-8220' with 5/8" choke at 8194' - Used 2 packers at 8167' and 8175' - Bombs at 8148' and 8218' - Tool opened 9:45 AM 9-11-52 - No water blanket - Medium blow of air 30 minutes and bubble of air remainder of test - Recovered 55' drilling mud, no shows - Hydrostatic Pressure 4150# - Flowing Pressure 0# - 15 minute BHP 0#.

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE.



AREA 640 ACRES
LOCATE WELL CORRECTLY

Gulf Oil Corporation

(Company or Operator)

Harry Leonard "R"

(Lease)

Well No. 5, in SE $\frac{1}{4}$ of NE $\frac{1}{4}$ of Sec. 16, T. 21-S, R. 37-E, NMPM.

Hare

Pool,

Lea

County.

Well is 2310 feet from North line and 330 feet from East lineof Section 16-21s-37e. If State Land the Oil and Gas Lease No. is 27179Drilling Commenced June 22, 1952, 19..... Drilling was Completed October 27, 1952, 19.....Name of Drilling Contractor Fran Drilling CompanyAddress Box 1206, Odessa, Texas

Elevation above sea level at Top of Tubing Head..... The information given is to be kept confidential until

....., 19.....

OIL SANDS OR ZONES

No. 1, from 7855' to 8035' No. 4, from..... to.....

No. 2, from..... to..... No. 5, from..... to.....

No. 3, from..... to..... No. 6, from..... to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from..... to..... feet.

No. 2, from..... to..... feet.

No. 3, from..... to..... feet.

No. 4, from..... to..... feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
<u>12-3/4"</u>	<u>50#</u>	<u>New</u>	<u>251'</u>				
<u>8-5/8"</u>	<u>32#</u>	<u>New</u>	<u>2786'</u>				
<u>5-1/2"</u>	<u>15 1/2 20#</u>	<u>New</u>	<u>7988'</u>			<u>7929' - 7865'</u>	<u>Production</u>

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
<u>17-1/4"</u>	<u>12-3/4"</u>	<u>268'</u>	<u>325</u>	<u>HOWCO</u>		
<u>11"</u>	<u>8-5/8"</u>	<u>2799'</u>	<u>1000</u>	<u>HOWCO</u>		
<u>7-7/8"</u>	<u>5 1/2"</u>	<u>7999'</u>	<u>131</u>	<u>HOWCO</u>		

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

NONE

Result of Production Stimulation..... NONE

Depth Cleaned Out.....

3D OF DRILL-STEM AND SPECIAL

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

TOOLS USED

Rotary tools were used from 0' feet to 8220' feet, and from PBTD 7930' feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing October 27, 1952, 19 .

OIL WELL: The production during the first 24 hours was Pumped 19 barrels of liquid of which 100 % was
was oil; 0 % was emulsion; 0 % water; and 0 % was sediment. A.P.I.
Gravity .

GAS WELL: The production during the first 24 hours was M.C.F. plus barrels of
liquid Hydrocarbon. Shut in Pressure lbs.

Length of Time Shut in .

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico			Northwestern New Mexico		
T. Anhy.			T. Devonian.		T. Ojo Alamo.
T. Salt.			T. Silurian.		T. Kirtland-Fruitland.
B. Salt.			T. Montoya.	<u>7320'</u>	T. Farmington.
T. Yates.	<u>2670'</u>		T. Simpson.	<u>7570'</u>	T. Pictured Cliffs.
T. 7 Rivers.			T. McKee.	<u>7855'</u>	T. Menefec.
T. Queen.			T. Ellenburger.		T. Point Lookout.
T. Grayburg.			T. Gr. Wash.		T. Mancos.
T. San Andres.			T. Granite.		T. Dakota.
T. Glorieta.	<u>5190'</u>		T. Connell.	<u>8170'</u>	T. Morrison.
T. Drinkard.			T. <u> </u>		T. Penn.
T. Tubbs.	<u>6175'</u>		T. <u> </u>		T. <u> </u>
T. Abo.			T. <u> </u>		T. <u> </u>
T. Penn.			T. <u> </u>		T. <u> </u>
T. Miss.			T. <u> </u>		T. <u> </u>

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0'	90'		Surface Sand & Caliche				<u>DEVIATIONS - TOTCO SURVEYS</u>
	105		Rock				<u>DEPTH</u>
	185		Red Bed				<u>DEG. OFF</u>
	1275		Red Bed & Red Rock		200'		3/4
	1375		Red Rock & Anhydrite		800		1/2
	1555		Salt		1090		1/2
	2250		Salt & Anhydrite		1326		3/4
	3028		Anhydrite		1800		1/4
	3330		Anhydrite & Lime		2050		1/2
	7368		Lime		2325		1
	7404		Lime & Chert		2600		1-1/2
	7425		Lime		3680		1
	7479		Lime & Chert		3980		1
	7714		Lime		4300		1
	7950		Lime & Shale		4600		3/4
	7999		Shale & Sand		5000		3/4
	8072		Shale		5550		1
	8085		Shale & Sand		5850		1/2
	8116		Shale		6150		1/2
	8153		Shale & Lime		6500		3/4
	8164		Shale		6950		1/2
	8188		Shale & Lime		7475		1-1/2
	8200		Shale		7790		1-3/4
	8220		Lime & Shale				
	7930		PLUGGED BACK TOTAL DEPTH				

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

November 14, 1952

(Date)

Company or Operator Gulf Oil Corporation

Address Box 2167, Hobbs, New Mexico

Name Edgar J. J. J.

Position or Title Area Prod. Supt.

NEW MEXICO OIL CONSERVATION COM
Santa Fe, New Mexico

REQUEST FOR (OIL) - (GAS) ALLOWABLE

RECEIVED
OCT 31 1952
New Well
Recompletion

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Hobbs, New Mexico

October 31, 1952

(Place)

(Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

Gulf Oil Corporation

Harry Leonard "E"

Well No. 5

in SE

1/4

NE

1/4

(Company or Operator)

(Lease)

H

Sec. 16

T. 21-S

R. 37-E

NMPM.

Here - Undesignated

Pool

(Unit)

Lea

County.

Date Spudded

6-22-52

Date Completed

10-27-52

Please indicate location:

Elevation 3493' Total Depth 8220' P.B. 7930'

Top oil/gas pay 7865' Top of Prod. Form 7855'

Casing Perforations: 7865' - 7920' or

Depth to Casing shoe of Prod. String 7999'

Natural Prod. Test Pumped 19 bbls oil in 24 hours. BOPD

based on bbls. Oil in Hrs. Mins.

Test after acid or shot. BOPD

Based on bbls. Oil in Hrs. Mins.

Gas Well Potential

Size choke in inches

Date first oil run to tanks or gas to Transmission system: October 27, 1952

Transporter taking Oil or Gas: Magnolia Pipe Line Company

Casing and Cementing Record

Size Feet Sax

12-3/4"	251'	325
8-5/8"	2786'	708
5-1/2"	7988'	131

Remarks: Request that this well be placed in the Proration Schedule effective October 27, 1952. This drilling unit contains 40 acres

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

Approved: OCT 31 1952, 19

Gulf Oil Corporation

(Company or Operator)

By: Chas. Taylor

(Signature)

OIL CONSERVATION COMMISSION

By: R. S. Blynn

Engineer District 1

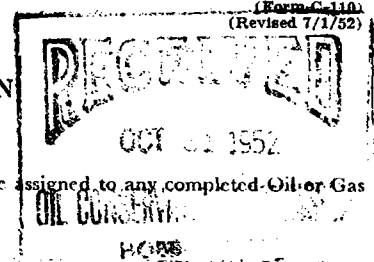
Title: Area Prod. Supt.

Send Communications regarding well to:

Name: Gulf Oil Corporation

Address: Box 2167, Hobbs, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico



It is necessary that Form C-104 be approved before this form can be approved an initial allowable be assigned to any completed Oil or Gas well. Submit this form in QUADRUPPLICATE.

**CERTIFICATE OF COMPLIANCE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS**

Company or Operator Gulf Oil Corporation Lease Harry Leonard "E"

Address Box 2167, Hobbs, New Mexico Fort Worth, Texas
(Local or Field Office) (Principal Place of Business)

Unit H, Well No 5, Sec 16, T 21-S, R 37-E, Pool Hare - Undesignated

County Lea Kind of Lease: State

If Oil well Location of Tanks On lease

Authorized Transporter Magnolia Pipe Line Company Address of Transporter
Midland, Texas Dallas, Texas
(Local or Field Office) (Principal Place of Business)

Per cent of Oil or Natural Gas to be Transported 100% Other Transporters authorized to transport Oil or Natural Gas from this unit are None

..... %

REASON FOR FILING: (Please check proper box)

NEW WELL ☒ CHANGE IN OWNERSHIP ☐

CHANGE IN TRANSPORTER ☐ OTHER (Explain under Remarks) ☐

REMARKS:

**Request that this well be placed in the Proration Schedule effective
October 27, 1952.**

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 31st day of October, 1952

Approved OPT 12, 19.....

OIL CONSERVATION COMMISSION

By R. J. Blynn
Title Engineer

Gulf Oil Corporation

By Chas Taylor

Title Area Prod. Supt.

(See Instructions on Reverse Side)

DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

RECEIVED
SEP 24 1952

Submit this report in TRIPLICATE to the District Office, Oil Conservation Commission, within 10 days after the work is completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of plugging of well, result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON RESULT OF TEST OF CASING SHUT-OFF	XX	REPORT ON REPAIRING WELL	
REPORT ON RESULT OF PLUGGING WELL		REPORT ON RECOMPLETION OPERATION		REPORT ON (Other)	

September 22, 1952
(Date)Hobbs, New Mexico
(Place)

Following is a report on the work done and the results obtained under the heading noted above at the

Gulf Oil Corporation

(Company or Operator)

Harry Leonard "E"

(Lease)

Fran Drilling Company

(Contractor)

Well No. 5 in the SE 1/4 NE 1/4 of Sec. 16

T. 21-S, R. 37-E, NMPM., Here Undesignated Pool, Lea County.

The Dates of this work were as follows: September 14-17, 1952

Notice of intention to do the work ~~was~~ (was not) submitted on Form C-102 on _____, 19____.

(Cross out incorrect words)

and approval of the proposed plan ~~was~~ (was not) obtained.

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Ran 272 joints 7988.05' of 5 1/2" OD 8 RT 15.5 & 20# SS casing. Set and cemented at 7999' w/131 sacks Portland Trinity bulk cement. Plug at 7923'. Maximum pressure 1200#. Temperature survey found top of cement 7540'.

After waiting over 30 hours drilled out cement from 7923' to 7930'. Tested 5 1/2" casing w/100# pressure for 30 minutes. There was no drop in pressure.

After approval of Mr. Yarbrough, State Oil and Gas Inspector, preparations were made to complete well.

Witnessed by R. S. Runyon Gulf Oil Corporation Drilling Foreman
(Name) (Company) (Title)

Approved: OIL CONSERVATION COMMISSION

Roy Yarbrough
(Name)
State Oil and Gas Inspector
(Title)

SEP 24 1952

(Date)

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

Name Charles LongPosition Area Prod. Supt.Representing Gulf Oil CorporationAddress Box 2167, Hobbs, New Mexico

DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

RECEIVED

SEP 24 1952

Submit this report in TRIPLICATE to the District Office, Oil Conservation Commission, within 10 days after the work specified is completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF PLUGGING WELL		REPORT ON RECOMPLETION OPERATION		REPORT ON (Other) PERFORATING	XX

September 22, 1952
(Date)

Hobbs, New Mexico
(Place)

Following is a report on the work done and the results obtained under the heading noted above at the

Gulf Oil Corporation
(Company or Operator)

Harry Leonard "E"
(Lease)

Fran Drilling Company
(Contractor)

Well No. 5 in the SE 1/4 NE 1/4 of Sec. 16

T. 21-S., R. 37-E, NMPM., Base Undesignated Pool, Lea County.

The Dates of this work were as follows: September 17, 1952

Notice of intention to do the work ~~XXXX~~ (was not) submitted on Form C-102 on _____, 19____, and approval of the proposed plan ~~XXXX~~ (was not) obtained.
(Cross out incorrect words)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Perforated 5 1/2" casing from 7920' to 7865' with 4, 1/2" jet holes
per foot by Welox.

Witnessed by R. S. Runyon Gulf Oil Corporation Drilling Foreman
(Name) (Company) (Title)

Approved: OIL CONSERVATION COMMISSION

Notary Public
(Name)
Gas Inspector
(Title)

SEP 24 1952
(Date)

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

Name: Charles J. Taylor
Position: Area Prod. Supt.
Representing: Gulf Oil Corporation
Address: Box 2167, Hobbs, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

MISCELLANEOUS NOTICES

Submit this notice in TRIPLICATE to the District Office, Oil Conservation Commission, before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Notice by Checking Below

NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO TEMPORARILY ABANDON WELL		NOTICE OF INTENTION TO DRILL DEEPER	
NOTICE OF INTENTION TO PLUG WELL		NOTICE OF INTENTION TO PLUG BACK		NOTICE OF INTENTION TO SET LINER	
NOTICE OF INTENTION TO SQUEEZE		NOTICE OF INTENTION TO ACIDIZE		NOTICE OF INTENTION TO SHOOT (Nitro)	
NOTICE OF INTENTION TO GUN PERFORATE		Test Casing Shut-off NOTICE OF INTENTION (OTHER)	8-5/8"	NOTICE OF INTENTION (OTHER)	

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Hobbs, New Mexico
(Place)

July 2, 1952
(Date)

Gentlemen:

Following is a Notice of Intention to do certain work as described below at the Harry Leonard "E"

Gulf Oil Corporation

(Company or Operator)

Well No. 5 in H (Unit)

SE 1/4 NE 1/4 of Sec. 16, T. 21-S, R. 37-E, NMPM, Hare - Undesignated Pool

Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK
(FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS)

SEE ATTACHED SHEET

Approved _____, 19____
Except as follows:

Approved
OIL CONSERVATION COMMISSION

By Roy Yackbrough

Title _____

Gulf Oil Corporation

(Company or Operator)

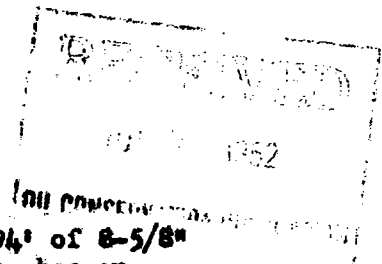
By C. O. Borland

Position Asst. Area Prod. Supt.
Send Communications regarding well to:

Name Gulf Oil Corporation

Address Box 2167, Hobbs, New Mexico

Harry Leonard "E" #5



On June 28, 1952 ran 87 joints and 1 piece 2785.94' of 8-5/8" OD 32# J-55 8 Rnd Tnd. SS casing w/ST&C. Cameron float shoe on bottom and Cameron float collar at 2719'. Three Weatherford centralizers at 2793', 2748' and 2687'. Set at 2799'. Pumped 708 sacks Longhorn 4% gel bulk cement and casing plugged. Unable to pump. Unable to clean cement out of casing. Set slips and cut pipe off. Drilled cement float and shoe, completed 6:00 AM June 29, 1952. Waited 6 hours and ran HOWCO temperature survey. Found top of cement at 2290' outside 8-5/8" casing. Completed 5:00 PM 6-29-52. Spotted 35 sacks regular cement thru 2-3/8" tubing from 2491' to 2366', displaced w/9 bbls. water. Pulled up to 2100' & circulated. Job completed at 11:00 PM 30th. Found top of cement solid after 10 hours. Tested w/1000# - OK. Perforated 8-5/8" casing at 2240' w/two 7/16" bullet holes. Broke circulation w/600# pressure. Circulated free. Ran HOWCO D.M. cement retainer on 2-3/8" tubing. set at 2180'. Recemented 8-5/8" casing thru perforations at 2240' w/900 sacks DT 6% gel cement and 100 sacks Heat on bottom. Displaced tubing w/8 bbls water. Maximum pressure 800#. Circulated 140 sacks cement. Job completed at 4:30 PM July 1, 1952.

Drilled HOWCO D.M. Retainer 2180'- 2182' and cement from 2182' to 2250', cleaned out to 2366'. Tested casing w/1600#, pressure dropped to 700# in 30 minutes w/rams closed on 4 1/2" DP. Ran HOWCO retractable retainer on 4 1/2" DP and set at 2250'. Tested casing below perforations at 2240' w/2000# OK. Set same at 2230'. Pumped thru perforations at 1600#. Pumped 10 bbls water 2 bbls Permin w/2000# pressure. Ran Baker model K cement retainer on 2-3/8" tubing set at 2206' and squeezed perforations w/100 sacks regular Trinity cement. Displaced w/8 bbls water. Maximum pressure 1600#. Backed off retainer and pulled tubing. Completed 8:00 PM 3 July 52.

Propose to test casing shut-off 2:00 AM July 5, 1952

NEW MEXICO OIL CONSERVATION COMMISSION

DUPLICATE

MISCELLANEOUS REPORTS ON WELLS

Submit this report in triplicate to the Oil Conservation Commission District Office within ten days after the work specified is completed. It should be signed and filed as a report on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below.

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF	12-3/4"	REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL			

June 26, 1952

Hobbs, New Mexico

Date

Place

Following is a report on the work done and the results obtained under the heading noted above at the

Gulf Oil Corporation Harry Leonard WEA Well No. 5 In the
 Company or Operator Lease
 SE NE of Sec. 16 T. 21-S R. 37-E N. M. P. M.
 Here - Undesignated Pool Lea County

The dates of this work were as follows: June 24, 1952

Notice of intention to do the work was ~~received~~ submitted on Form C-102 on June 25, 1952, 19
 and approval of the proposed plan was ~~obtained~~ obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

After waiting over 24 hours tested 12-3/4" casing w/1000# pressure for 30 minutes. There was no drop in pressure. Drilled cement plug at 250'. Tested cement w/400# pressure for 30 minutes. There was no drop in pressure. Job complete 4:30 PM 6-24-52.

After approval of Mr. Yarbrough, State Oil and Gas Inspector, preparations were made to drill ahead.

Witnessed by W. G. Cagle Gulf Oil Corporation Drilling Foreman
 Name Company Title

APPROVED:
 OIL CONSERVATION COMMISSION

W. G. Yarbrough
 State Oil and Gas Inspector

Name

Title

I hereby swear or affirm that the information given above is true and correct.

Name

Position Asst. Area Prod. Supt.

Representing Gulf Oil Corporation
 Company or Operator

Address Box 2167, Hobbs, New Mexico

19

Page

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

Submit this report in TRIPLICATE to the District Office, Oil Conservation Commission, within 10 days after the work specified is completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, or plugging of well, result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON RESULT OF TEST OF CASING SHUT-OFF	8-5/8"	REPORT ON REPAIRING WELL	
REPORT ON RESULT OF PLUGGING WELL		REPORT ON RECOMPLETION OPERATION		REPORT ON (Other)	

July 7, 1952

(Date)

Hobbs, New Mexico

(Place)

Following is a report on the work done and the results obtained under the heading noted above at the

Gulf Oil Corporation

(Company or Operator)

Harry Leonard "E"

(Lease)

Fran Drilling Company

(Contractor)

Well No. 5 in the SE 1/4 NE 1/4 of Sec. 16

T. 21-S, R. 37-E, NMPM, Hare - Undesignated Pool, Lea County.

The Dates of this work were as follows: July 5, 1952

Notice of intention to do the work (was) ~~received~~ submitted on Form C-102 on July 2, 1952, 19.

(Cross out incorrect words)

and approval of the proposed plan (was) ~~received~~ obtained.

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

After waiting over 30 hours tested perforations w/1500# pressure for 30 minutes. There was no drop in pressure. Drilled cement and plug 3:00 PM July 5, 1952.

After approval of Mr. Yarbrough, State Oil and Gas Inspector, preparations were made to drill ahead.

Witnessed by: R. A. Spiers (Name) Gulf Oil Corporation (Company) Drilling Foreman (Title)

Approved: OIL CONSERVATION COMMISSION

Ray Yarbrough (Name)

Oil & Gas Inspector (Title)

(Title)

(Date)

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

Name: C. D. Borland

Position: Asst. Area Prod. Supt.

Representing: Gulf Oil Corporation

Address: Box 2167, Hobbs, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

MISCELLANEOUS NOTICES

RECEIVED

JUN 26 1952

Submit this notice in triplicate to the Oil Conservation Commission or its proper agent before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved, should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of notice by checking below:

NOTICE OF INTENTION TO TEST CASING SHUT-OFF	12-3/4"	NOTICE OF INTENTION TO SHOOT OR CHEMICALLY TREAT WELL	
NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	
NOTICE OF INTENTION TO REPAIR WELL		NOTICE OF INTENTION TO PLUG WELL	
NOTICE OF INTENTION TO DEEPEN WELL			

Hobbs, New Mexico
Place

June 25, 1952
Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico

Gentlemen:

Following is a notice of intention to do certain work as described below at the

Gulf Oil Corporation Harry Leonard "E" Well No. 5 in SE NE
Company or Operator Lease
of Sec. 16, T. 21-S, R. 37-E, N. M. P. M. Hare - Undesignated Field.
Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

On June 23, 1952 ran 7 joints 251.35' of 12-3/4" 50# 8 V. Thd. SS casing w/Larkin Guide shoe. Set and cemented at 268' w/325 sacks Neat Loughorn cement. Plug at 250'. Maximum pressure 200#. Job completed at 4:00 PM June 23, 1952. Cement Circulated.

Propose to drill plug and test casing shut-off 4:00 PM 6-24-52.

Approved JUN 26 1952, 19
except at follows:

Gulf Oil Corporation
Company or Operator

By CO Borland
Position Asst Area Prod. Supt.
Send communications regarding well to

Name Gulf Oil Corporation

Address Box 2167, Hobbs, New Mexico

OIL CONSERVATION COMMISSION
By Woy yuhroing h
Title Oil & Gas Inspector

NEW MEXICO OIL CONSERVATION COMMISSION

MISCELLANEOUS REPORTS ON WELLS

RECEIVED

Submit this report in triplicate to the Oil Conservation Commission District Office within ten days after the work specified is completed. It should be signed and filed as a report on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below.

REPORT ON BEGINNING DRILLING OPERATIONS	<input checked="" type="checkbox"/>	REPORT ON REPAIRING WELL	<input type="checkbox"/>
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL	<input type="checkbox"/>	REPORT ON PULLING OR OTHERWISE ALTERING CASING	<input type="checkbox"/>
REPORT ON RESULT OF TEST OF CASING SHUT-OFF	<input type="checkbox"/>	REPORT ON DEEPENING WELL	<input type="checkbox"/>
REPORT ON RESULT OF PLUGGING OF WELL	<input type="checkbox"/>		<input type="checkbox"/>

June 24, 1952

Hobbs, New Mexico

Date

Place

Following is a report on the work done and the results obtained under the heading noted above at the

Gulf Oil Corporation

Company or Operator

Harry Leonard "H"

Lease

Well No. 5

in the

SE NE

of Sec.

16

T.

21-S

R.

37-E

N. M. P. M.,

Here - Undesignated

Pool

Lea

County.

The dates of this work were as follows: June 22, 1952

Notice of intention to do the work ~~was~~ (was not) submitted on Form C-102 on _____, 19____, and approval of the proposed plan ~~was~~ (was not) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Fran Drilling Company moved in and spudded 17½" surface hole at 9:00 PM June 22, 1952.

Witnessed by W. G. Cagle

Name

Gulf Oil Corporation

Company

Drilling Foreman

Title

APPROVED:

OIL CONSERVATION COMMISSION

[Signature]
Engineer District

Title

JUN 25 1952

Date

I hereby swear or affirm that the information given above is true and correct.

Name

C. D. Borland

Position

Asst. Area Prod. Supt.

Representing

Gulf Oil Corporation

Company or Operator

Address: Box 2167, Hobbs, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION

RECEIVED

Form O-101

JUN 24 1952

OIL CONSERVATION COMMISSION
HOBBS OFFICE

DUPLICATE

NOTICE OF INTENTION TO DRILL

See Rules 101 and 1104.

If changes in the proposed plan are considered advisable, a copy of this notice showing such changes should be forwarded to the sender. Submit this notice in triplicate. One copy will be returned following approval.

Hobbs, New Mexico

June 23, 1952

Place

Date

Notice hereby is given that it is our intention to commence the drilling of a well to be known as

Gulf Oil Corporation

Harry Leonard "E"

well No. 5

in SE NE

Company or Operator

Lease

of Sec. 16, T. 21-S, R. 37E, N. M., P. M. Hara (Undesignated) Lea County.

The well is 2310 feet from (N.) (E) line and 330 feet from

(E.) (W) line of the above section.

(Give location from section lines. Cross out wrong directions.)

If state land the oil and gas lease is No. 27179 Assignment No.

If patented land the owner is

Address

If government land the permittee is

Address

The lessee is Gulf Oil Corporation - Fort Worth Production Div.

Address Box 1290, Fort Worth, Texas

We propose to drill well with drilling equipment as follows:

Rotary Tools - Contractor - Fran Drilling Company

The status of a bond for this well in conformance with Rule 101 of the General Rules and Regulations of the Commission is as follows:

We propose to use the following strings of casing and to land or cement them as indicated:

Size of Hole	Size of Casing	Weight Per Foot	New or Second Hand	Depth	Landed or Cemented	Sacks Cement
17-1/4"	12-3/4"	50#	New	250'	Cemented	300
11"	8-5/8"	28#	New	2800'	Cemented	900
7-7/8"	5 1/2"	17#	New	8000'	Cemented	950

If changes in the above plans become advisable we will notify you before cementing or landing casing. We estimate that the first productive oil or gas sand should occur at a depth of about 7800 feet.

Additional information:

Approved JUN 25 1952, 19

except as follows:

OIL CONSERVATION COMMISSION,
By Roy Garbrough
Oil & Gas Inspector
Title

Gulf Oil Corporation
Company or Operator

By C. D. Borland

Position Asst. Area Prod. Supt.

Send communications regarding well to:

Name Gulf Oil Corporation

Address Box 2167, Hobbs, New Mexico

SECTION PLAT

GULF FW 636

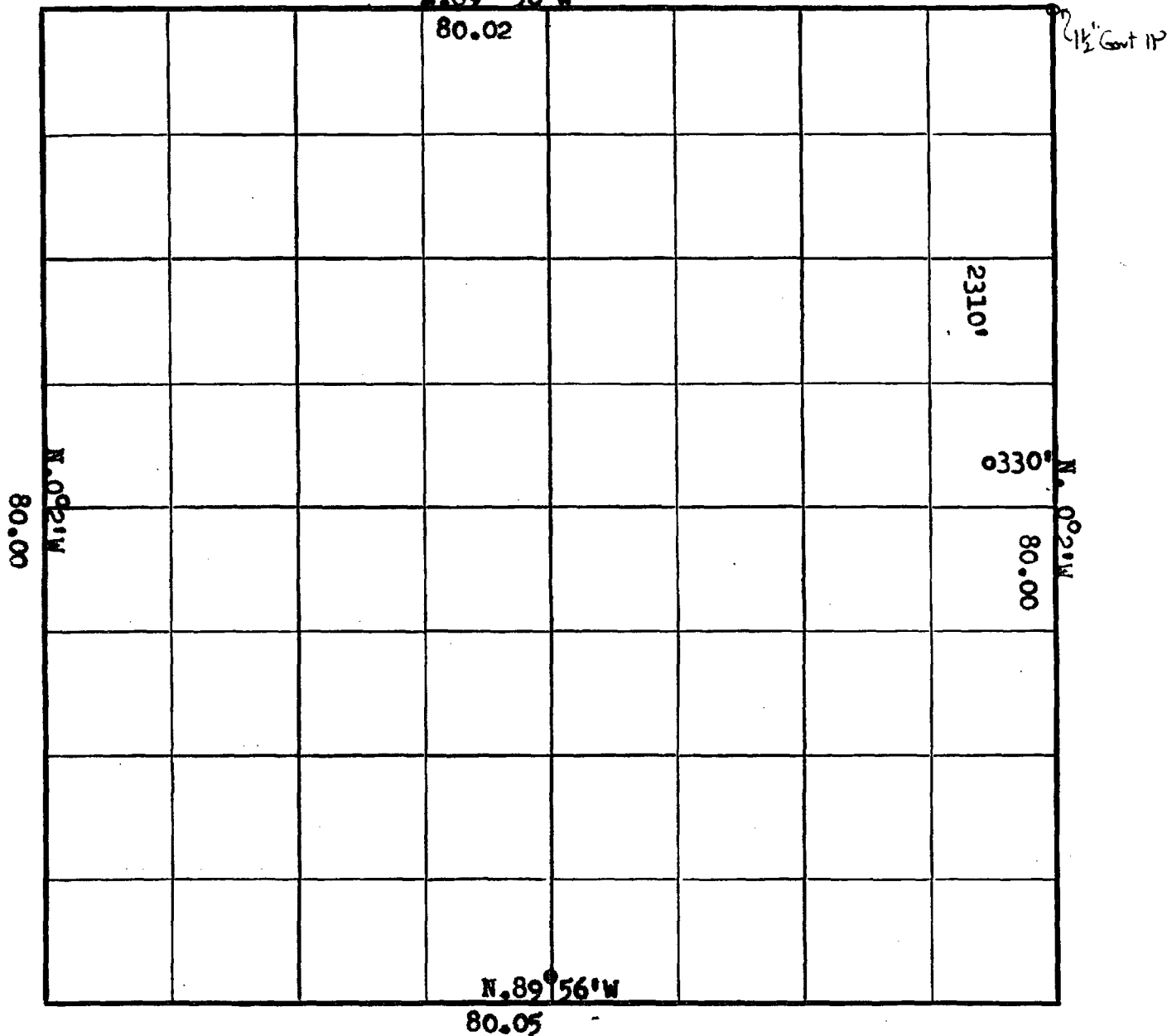
SCALE 1 IN. = 800 FT.

This Plat exhibits the exact location of Gulf Oil Corporation's No. 5 MoC
Harry Leonard "E" in Sec. 16 Twnsp T-21-S Range R-37-E

SECTION 16

TOWNSHIP T-21-S
N. 89° 56' W

RANGE R-37-E



This is to certify that I am a Registered Land Surveyor, that the above plat was prepared under my direction and that the same is true and correct to the best of my knowledge and belief.

J. A. Toague
J. A. Toague

COUNTY FA FIELD Wanta STATE NM API MN 06624
 OPR GULF OIL CORP. SERIAL OWW
 NO 5 LEASE Leonard, Harry (NCT-E) MAP
Sec 16, T-21-S, R-37-E CO-ORD
2310' ENL, 330' FEL of Sec ELEV OF L & S

		CLASS		GL	
SPD	Re-1-10-73	FORMATION	DATUM	FORMATION	DATUM
CSG & SX					
	12 3/4" at 268' w/325 sx				
	8 5/8" at 2799' w/1000 sx				
	5 1/2" at 7999' w/131 sx				
LOGS	EL GR RA IND HC A	TD	8220'	PBD	7245'

IP (Abo) Perfs 6745-7229' F 50 BOPD. Pot based on 23 hr
 test thru 16/64" chk. TP 150#

CONTR OPRS ELEV 3481 GLPD 7229' TYPE WO

F.R.G. 2-3-73

(Abo)

(Orig. #5 Leonard, Harry "E", Comp 10-27-52,
 thru Perfs 7865-7920', OTD 8220', OPB 7930';
 OWWO & Re-Comp 9-11-69 thru (Montoya) Perfs
 7295-7333', OPE 7375')

1-29-73

TD 8220'; PBD 7245'; COMPLETE
 PB to 7245'

Perf 6745-47', 6820-22', 6888-90', 6956-58',
 7024-26', 7161-63', 7198-7200', 7227-29'
 w/2 SPF

2-3-73

Acid (6745-7229') 4500 gals
 COMPLETION REPORTED

OWWO

COUNTY LEA FIELD Wildcat STATE NM MN 06624

OPR GULF OIL CORP. MAP

5 Leonard, Harry (NCT-E)

Sec 16, T-21-S, R-37-E CO-ORD

2310' FNL, 330' FEL of Sec.

Re-Spd 9-2-69

Re-Cmp 9-11-69

	CLASS		EL	
	FORMATION	DATUM	FORMATION	DATUM
CSG & SX - TUBING				
12 3/4" at 268' w/325 sx				
8 5/8" at 2799' w/1100 sx				
5 1/2" at 7999' w/131 sx				
LOGS EL GR RA IND HC A				
	TD 8220'; PBD 7375'			

IP (Montoya) Perfs 7295-7333' P 226 BOPD + 6 BW. Pot based on 24 hr test. GOR NR; Grav NR.

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CONT. DATE PROP DEPTH 7450' TYPE WO

F.R. 9-2-69
PD 7450' WO (Montoya)
(Orig. comp 7-3-52 thru Perfs 7865-7920', OTD 8220',
P&A 1-6-53)

9-4-69 TD 8220'; CO @ 2576'

9-10-69 TD 8220'; Drlg. Cmt @ 6224'

9-18-69 Ran 5 1/2" casing to tie-in to old casing @ 5351'

TD 8220'; PBD 7375'; Tstg
Perf 7295-97', 7317-19', 7331-33' w/4 SPF
Acid (7295-7333') 500 gals
Flwd 2 BO in 2 hrs thru 20/64" chk (7295-7333')
Acid (7295-7333') 2000 gals
Swbd 60 BO in 8 hrs (7295-7333')

9-22-69 TD 8220'; PBD 7375'; SD

LEA

GULF OIL CORP.

Wildcat

5 Leonard, Harry (NCT-E)

NM

Sec 16, T21S, R37E

Page #2

9-30-69

TD 8220'; PBD 7375'; TO Pmp
Ppd 63 BO + 3 BW in 7 hrs

10-14-69

TD 8220'; PBD 7375'; COMPLETE

10-16-69

COMPLETION REPORTED