Subsect Appropriate District Office State Lease - 6 copies Fee Lease - 5 copies DISTRICT I

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-105 Revised 1-1-89

OIL CONSERVATION DIVISION WELL API NO. P.O. Box 1980, Hobbs, NM 88240 P.O. Box 2088 30-025-06624 DISTRICT II Santa Fe, New Mexico 87504-2088 Indicate Type of Lease P.O. Box Drawer DD, Artesia, NM 88210 STATE [FEE 🔽 DISTRICT III 6. State Oil / Gas Lease 1000 Rio Brazos Rd., Aztec, NM 87410 WELL COMPLETION OR RECOMPLETION REPORT AND LOG a. Type of Well: 7. Lease Name or Unit Agreement Name OIL WELL GAS WELL DRY OTHER HARRY LEONARD 'E' b. Type of Completion: OTHER DIFF PLUG HORIZONTAL NEW WELL WORKOVER [DEEPEN BACK [RES. 2. Name of Operator 8. Well No. CHEVRON USA INC 3. Address of Operator 9. Pool Name or Wildcat 15 SMITH RD, MIDLAND, TX 79705 PENROSE SKELLY GRAYBURG -16.215-37e, 450/ 4. Well Location NORTH Line and 330' Feet From The EAST __:__ 21-S LEA COUNTY NMPM Section 16 Township. 10. Date Spudded 12. Date Compl. (Ready a) 13. Elevations (DF & RKB, RT, GR, etc.) 14. Elev. Csghead 11. Date T.D. Reached rod.) 6/23/2005 *ල*ි 8/23/2005 3481' GL 7/16/2005 17. If Mult Compl. How Marry Zobes 15, Total Depth 16. Plug Back T.D. Intervals Rotary Tools Cable Tools **Drilled By** 5653' 3726' 20. Was Directional Survey Made 19. Producing Interval(s), of this completion - Top, Bottom, Name 4755-4894 & 4231-4370', GRAYBURG 22. Was Well Cored 21. Type Electric and Other Logs Run GAMMA GUN/CCL 23 CASING RECORD (Report all Strings set in well) WEIGHT LB /FT DEPTH SET HOLE SIZE AMOUNT PULLED **CASING SIZE** CEMENT RECORD NO CHANGE **TUBING RECORD** 24. LINER RECORD SACKS CEMENT SCREEN SIZE **DEPTH SET BOTTOM** SIZE PACKER SET 3636 2 7/8" ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. 26. Perforation record (interval, size, and number) DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 4755-4894 4231-4370 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** Well Status (Prod. or Shut-in) Date First Production Production Method (Flowing, gas lift, pumping - size and type pump) 10/1/2005 **FLOWING** Hours tested Choke Size Prod'n For Oil - Bbl. Gas - MCF Date of Test Water - Bbl. Gas - Oil Ratio Test Period **24 HRS** 101 100 10-02-05 188 1315 Flow Tubing Press. Casing Pressure Calculated 24-Oil - Bbl. Gas - MCF Oil Gravity - API -(Corr.) Water - Bbl Hour Rate 29. Disposition of Gas (Sold, used for fuel, vented, etc.) Test Witnessed By SOLD 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 TITLE Regulatory Specialist DATE 10/28/2005 Denise Pinkerton TYPE OR PRINT NAMÉ Telephone No. 432-687-7375

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

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-104 Revised February 10,199 Instructions on bac

Santa Fe, New Mexico 87504-2088 AMENDED REPORT	DISTRICT III	r DD, Artesia	a, NM 88211-	0719	OIL C	ONSER			DIV	ISION s	Submit to		te District Offic
APPENDED REPORT APPENDED REPORT APPENDED REPORT	000 Rio Brazos	Rd., Aztec,	NM 87410		Sa				504-20	IRA			5 Copie
Operator Name and Address		Santa Fe, NI	M 87504-2088	3	O.		* 1410	22100 01	50+-2C	,00		AMEND	ED REPORT
Produced Water Prod	·						D A	UTHOR	IZATIO		ORT		
15 SMETH RD, MIDLAND, TX 79705 Properly Code Properly Co			, Ot	perator Name	and Address	3			. 1	² oc			
** API Number 30-025-06624 PENROSE SIGELLY GRAYBURG 503300 50300 5									-	-/3			
PENROSE SIGLLY GRAYBURG S0330	15 SMITH RE	D, MIDLAN	1D, TX 7970	05					1	Maria L	4 ~	_	
30.025-06624	⁴ API	Number				5 Po	ol Na	me		- ionnegiona		⁸ Poo	ol Code
HARRY LEONARD E 5	30-0	25-06624				PENROSE	SKEL	LY GRAYE	URG	<u>-</u>			
1. 10	⁷ Pn		•						<u>-</u> 1			° w	
Ur of lot no. Section Township Range Lot.Idn Feet From The 2310' NORTH 330' EAST LEA	I. 10 Surface	a Lagation	l.			HARR	, r.c.	ONARD E	<u></u>	-			
1 Bottom Hole Location	Suriaci			Range	Lot.ldn	Feet From 1	he	North/So	outh Line	Feet From The	East/V	Vest Line	County
North North Section Tomaship Range Lot.lidn Feet From The North/South Line Feet From The Section Tomaship Range Lot.lidn Feet From The North/South Line Feet From The Sast/West Line County A 50" NORTH 344" EAST LEA Le	н	16	21-S	37-E		2310		NO	₹TH	330'	E	AST	LEA
A	11 Botton	1 Hole Lo	cation										
				_	Lot.ldn	Feet From	The	North/S	outh Line	Feet From The	East/V	Vest Line	County
					<u> </u>						E		
19 10 10 10 10 10 10 10	Lise Code	Producin				15 C-129 F	emit	Number	16	C-129 Effective Date		17 C-129	Expiration Date
19 Transporter 19 Transporter 20 POD 21 O/G 22 POD LSTR Location and Address 20 POD 21 O/G 22 POD LSTR Location and Description 23 POD 24 POD LSTR Location and Description 24 POD LSTR Location and Description 24 POD LSTR Location and Description 25 POD LSTR Location and D	II. Oil and	Gas Tra	nsporters										·
V. Produced Water 23 POD POD ULSTR Location and Description POD ULSTR Loc	18 Transport			Transporter 140	me	20	PO		²¹ O/G				
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IV. Produced Water	4323			GHETHOR				`:	.				
IV. Produced Water 27 POD ULSTR Location and Description PH-16-21S-37E, LEA COUNTY, NM 28 POD ULSTR Location and Description PH-16-21S-37E, LEA COUNTY, NM 29 POD ULSTR Location and Description PH-16-21S-37E, LEA COUNTY, NM 20 PBTD PBTD PBTD PBTD PBTD PBTD PBTD PBTD	024650			DYNEGY		- 2	2806	575	G				
						37.3	- 1 -	1			LEA COL	JNTY, NM	
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			_								100		<u> </u>
V. Well Completion Data 25 Spud Date 8/23/2005 26 Ready Date 8/23/2005 5653' 3726' 4755-4894'	IV. Produc	ed Water	r								19	85.8	SS 53/
V. Well Completion Data 25 Spud Date 8/23/2005 26 Ready Date 8/23/2005 5653' 3726' 4755-4894'						2	FU			•	157	~ S. S.	\$ 40 S
25 Spud Date 8/23/2005 26 Ready Date 8/23/2005 5653' 3726' 4755-4894' 3755-4894' 4755-48		09950					H	16-21S-37	E, LEA	COUNTY, NM	15	_ å ·	51 71
8/23/2005 8/23/2005 5653' 3726' 47755-4894'	**************************************		Data	25		97				28	<u> </u>		- 10°/
VI Well Test Data St Casing & TUBING SIZE St DEPTH SET St SACKS CEMENT	3	•		ready Da				pth				0168E	rtorigilions 155-4894
VI. Well Test Data 34 Date New OII			<u> </u>			.1		35	DEPTH		<u>_</u>	SACKS CE	EMENT
34 Date New OII 35 Gas Delivery Date 38 Date of Test 10/1/2005 10-01-05 10-02-05 24 HRS 10-02-05 24 HRS 10-02-05 10-01-05 10-02-05	NO CHANGE						4						
34 Date New OII 35 Gas Delivery Date 38 Date of Test 10/1/2005 10-01-05 10-02-05 24 HRS 10-02-05 24 HRS 10-02-05 10-01-05 10-02-05	<u> </u>			 			+		-				
34 Date New Oil 35 Gas Delivery Date 38 Date of Test 10-02-05 24 HRS 36 Tubing Pressure 39 Casing Pressure 10/1/2005 10-01-05 10-02-05 24 HRS 10-02-05 24 HRS 10-02-05 1													
10/1/2005 10-01-05 10-02-05 24 HRS 40 Choke Size 41 Oil - Bbls. 42 Water - Bbls. 43 Gas - MCF 44 AOF 45 Test Method 100 188 101 F	VV C II 1 C												
40 Choke Size 41 Oil - Bbls. 42 Water - Bbls. 43 Gas - MCF 44 AOF 45 Test Method 100 188 101 F					36 C			renge		38 Tubing F	ressure	39 Ca	sing Pressure
				Oil - Bbis.	42 Wa	ater - Bbls.	+		s - MCF	44 AO	F	45 To	
Thereby certify that the rules and regulations of the Oil Conservation	46				_j	188	╁					<u> </u>	
I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the Information given above OIL CONSERVATION DIVISION	t nereby cert								OIL	. CONSERVA	MOIT	DIVISI	ON
is true and complete to the best of my knowledge and belief. Approved By:	is true and c	omplete to the	best of my know	wedge and belief.	,			Annrove	d Rv	151			
Signature Signat	Signature /	Son	isol A	In Kar	(nn)			фріоте	,		188	ENGINE	
Title:PETROLEUM	Deinto d Name	CV/ I	noine Dieles	DICKER!		······································	╢ ·	Title:	_,	PETRO	LEON.	-	,
NOV 1 4 2005	<u>_</u>			TON .			-				INE	JV 1 4	2005
Title Regulatory Specialist Approval Date:	Title Re	gulatory S	pecialist				_∥ տ	Approva	l Date:				
Date 10/28/2005 Telephone 432-687-7375	Date 10	0/28/2005		Teleph	ione 4:	32-687-7375	L						
17 If this is a change of operator fill in the OGRID number and name of the previous operator	47 If this is a c	hange of open	ator fill in the O	GRID number and	name of the pre-	vious operator							
Previous Operator Signature Printed Name Title Date	 	Previo	us Operator	Signature	Printe	ed Name					Title		Date

DISTRICT !

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

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

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

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 10,199 Instructions on bac Submit to Appropriate District Offic State Lease - 4 Copie

Fee Lease - 3 Copie

1	API Numb 30-025-00			² Pool Cod	е		³ Pool Nai PENROSE SKELLY		
4	Property Coo	te			⁵ Property N			⁶ We	l No. 5
7 00	GRID Numb	per			⁸ Operator CHEVRON				vation 11' GL
					10 Surface Loc	ation	25262	720	
or lot no H	Section 16	Township 21-S	Range 37-E	Lot.ldn	Feet From The 2310'	North/South Line NORTH	Feet Prom The	EastWest Line EAST	County LEA
			11	Bottom Hol	e Location If Di	ferent From Su	nface	3 60 1	
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 .	EASTA EASTA	County LEA
Dedicated 80		No No		Consolidate		der No.	Falsix	. 6812	
NO	ALLOWA					N UNTIL ALL INT N APPROVED B		SEEN CONSOLID	ATED
			ORMION	-0174107414	D ON THAT BEE	AA.		RATOR CERTIFIC	ATION
						SHL	Signature Printed Nam Denise F Positio Regulato Date 10/26/2005 18 SUF I hereby certi	Pinkerton ory Specialist	shown
			· -			·	actual survey supervision,	ys made by me or under and that the same is to be best of my knowledge ed	r my ue and

State of New Mexico

Submit 3 copies to Appropriate District Office	Energy, Minerals and Natur	al Resources Department	Form C-103 Revised 1-1-89
DISTRICT I	OIL CONSERVA	PION DIVICION	
P.O. Box 1980, Hobbs, NM 88240			WELL API NO:
DISTRICT II	P.O. Box	_ · · ·	30-025-06624
P.O. Box Drawer DD, Artesia, NM 8821	Santa Fe, New Me	xico 87504-2088	5. Indicate Type of Lease STATE FEE FEE
DISTRICT III			6. State Oil / Gas Lease No.
1000 Rio Brazos Rd., Aztec, NM 87410	·		6. State Oil / Gas Lease No.
	OTICES AND REPORTS ON V		
(DO NOT USE THIS FORM FOR PR	ROPOSALS TO DRILL OR TO DE ERVOIR. USE "APPLICATION F		7. Lease Name or Unit Agreement Name
	1 C-101) FOR SUCH PROPOSAL		HARRY LEONARD 'E'
1. Type of Well: OIL GA WELL WE	S OTHER		
2. Name of Operator			8. Well No.
CHEVRON	USA INC		5
3. Address of Operator 15 SMITH	RD, MIDLAND, TX 79705		9. Pool Name or Wildcat PENROSE SKELLY GRAYBURG
4. Well Location BALL: A, 16, 2+5,	37-E, 450'N, 344'	£	FEIROGE SKELLT GRATBURG
Unit Letter H	2310' Feet From The	NORTH Line and 330'	Feet From The EAST Line
Section 16	Township 21-S	Range <u>37-E</u> NI	MPM 345A-CQUNTY
	10. Elevation (Show whether DF,	DVR DT CD etc.)	70212334
	10. Lievaudii (Gilow Wileutel Di ,	3481' GL	₹
11. Check	Appropriate Box to Indicate	Nature of Notice, Report	t, or Other Data
NOTICE OF INTENT	ION TO:	S	UBSEQUENT REPORT OF: 🖔
PERFORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIAL WORK	ALTERING CASING AN W
TEMPORARILY ABANDON	CHANGE PLANS	COMMENCE DRILLING OF	PERATION TO PLUG AND ABANDONMENTY
PULL OR ALTER CASING		CASING TEST AND CEME	
OTHER:		OTHER:	HORIZONTAL COMPLETION TO
Omer.			
 Describe Proposed or Completed Oproposed work) SEE RULE 1103. 	Operations (Clearly state all pertin	ent details, and give pertinent o	dates, including estimated date of starting any
6.23.05: MIRLL PLIPLIMP TRUCK &	REVERSE PLIMP 6-24-05: TIL	I WICIBP & GAMMA GUNICCI	L. SET CIBP @ 3883. DUMP 10' OF CMT ON
			IGHT ON CIBP @ 3727. WELL WENT ON
VACUUM. 6-27-05: TIH W/RODS	& LD. HU WH. 6-28-05: TIH W/I	RBP & PKR. SET RBP @ 3720	D. PULL UP W/PKR TO 3656. 6-29-05: TIH
			PU RBP, 20 JTS OF DP & TIH . ATTEMPT TO F RETR HEAD. TIH W/OVERSHOT & 119 JTS
DP. RBP FELL TO BTM. WORK OVE		DATORIONIO NDI . I ELE OI	THE INTEREST THE WOOLENSTON OF A 119315
			27') TIH W/WHIPSTOCK, RAN GYRO, SET
			RILL 3720-3723, 3735, 3767, 3892, 3919, 3966, 877, 4891, 4935, 4950, 5018, 5028, 5112,
			653. 7-16-05: TD 4 3/4" LATERAL @ 0400
			OP, SET & PACK OFF 5 1/2" PKR. TEST
TBG. LATCH ON PKR.	R. REL ON/OFF TOOL. BIM OF	LINER-3395", TOP OF LINER-	3657. TIH W/RETR HEAD ON 116 JTS 3 1/2"
7-18-05: RELEASE RIG @ 0900 HRS	S. WAIT ON COMPLETION. 7	-20-05: MIRU. REL ON/OFF T	OOL. 7-21-05: LATCH ON TO ON/OFF TOOL.
			YBURG OPEN HOLE 5287 W/70,500# 16/30 TBG UNIT. WASH SAND TO 3224. TAG TD @
			OUT TO 3300. 8-15-05: RU COIL TBG UNIT.
			295' (TOP SHOT) TOH & TAG @ 4821. TIH TO D% HCL. OPERATIONS SUSPENDED FOR

Regulatory Specialist DATE 10/26/2005 Telephone No. 432-687-7375 TYPE OR PRINT NAME Denise Pinkerton PETROLEUM ENGINEEN (This space for State Use) NOV 1 4 2005

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, RECVD 81 TOTAL BBLS, ALL FRAC WATER. 9-13-05: RU COIL TBG UNIT.

APPROVED = CONDITIONS OF APPROVAL, IF ANY:

TIH W/BIT ON 1 1/4" COIL. TAG ISO PAC @ 4231. TAG SLEEVE @ 4298.

TITLE

DATE

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 1/2" TBG. CHANGE OUT TBG TO 2 7/8" PROD TBG.

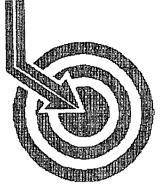
9-27-05: PU 82 MORE JTS OF TBG. PU PUMP & RODS.

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 knowled and is supported by actual field data.

.....Company Representative

Notorized this date <u>29th</u> of <u>Rugust</u>

Notary Signature County of Midland

State of Texas



DEBORAH SUE BYNUM Notary Public, State of Texas My Commission Expires 5/9/08



Scientific Drilling International

Survey Report

Company: CHEVRONTEXACO

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

Date: 8/23/2005 Co-ordinate(NE) Reference: Vertical (TVD) Reference:

Section (VS) Reference: Survey Calculation Method:

Time: 19:34:29

Site: Lea County, NM, Grid North System: Mean Sea Level Well (0.00N,0.00E,359.58Azi) Minimum Curvature

Db: Sybase

1

Wellpath: Survey:

07/11/05

KSRG 0'-3680'

Scientific Drilling Internatio Keeper;Keeper Gyro Company: Tool:

Start Date:

7/11/2005

Engineer: Tied-to:

Gonzales w/P&M From Surface

MID ft	inci 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 7.90	0.10	10.14	48.21 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		11.72	40.65



Scientific Drilling International Survey Report

Company: CHEVRONTEXACO

Field: Site: Well:

Harry Leonard Lea County, NM Harry Leonard #5H Wellpath: DH - Job #32D0705500 Date: 8/23/2005

Time: 19:43:27 Co-ordinate(NE) Reference:

Site: Lea County, NM, Grid North

System: Mean Sea Level Well (0.00N,0.00E,359.58Azi) Minimum Curvature

Db: Sybase

1

Survey:

Company:

07/11/05-07/16/05

MWD 3713'-5653'

Scientific Drilling Internatio MWD;MWD

Start Date: Engineer:

Tied-to:

Vertical (TVD) Reference:

Survey Calculation Method:

Section (VS) Reference:

7/11/2005

Lamb/Melendez/Hernandez

User Defined

Tool:

AD ft	inci 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
		7.79			69.84	14.87	36.47	71.40	12.02
3852.00	52.70		3832.61	69.73					
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
						20.70			2.94
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		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		653.47	0.84
4476.00	91.41	0.77	3882.68	684.30	684.39	10.02		684.47	0.84
4508.00	89.56	357.31	3882.40	716.29	716.38	9.49		716.44	0.76
4539.00	88.99	356.71	3882.80	747.26	747.34	7.87	2.67	747.38	0.60
4539.00	88.66	355.54	3883.45	747.26 779.19	747.34 779.25	7.67 5.71	3.80	747.36 779.28	0.60
			3884.15						
4603.00	88.86	355.09		811.10	811.14	3.10		811.15	0.22
4634.00	89.90	357.28	3884.48	842.04	842.07	1.03		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		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		997.90	359.69
4822.00	93.27	0.20	3883.03	1029.87	1029.86	-5.21		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		1092.82	359.69
4915.00	90.44	358.58	3880.44	1122.81	1122.80	-6.53		1122.82	359.67
4947.00	87.75	357.39	3880.94	1154.79	1154.77	-7.66			
4947.00	88.65	357.39 357.99						1154.79	359.62
4910.UU	60.05		3881.92	11 8 5.76	1185.73	-8.91	3.49	1185.76	359.57
5009.00	89.90	358.15	3882.31	1216.75	1216.71	-9.95		1216.75	359.53
5041.00	88.25	359.66	3882.83	1248.74	1248.70	-10.56		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		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		1404.71	359.60
5229.00	90.54	1.05	3884.28	1436.70	1436.67	-9.66		1436.70	359.61
5260.00	89.63	0.42	3884.23	1467.70	1467.67	-9.26		1467.70	359.64



Scientific Drilling International Survey Report

Company: CHEVRONTEXACO

Field: Site: Well:

Harry Leonard Lea County, NM Harry Leonard #5H Wellpath: DH - Job #32D0705500 Date: 8/23/2005

Time: 19:43:27

Co-ordinate(NE) Reference: Vertical (TVD) Reference: Section (VS) Reference:

Survey Calculation Method:

Site: Lea County, NM, Grid North System: Mean Sea Level Well (0.00N,0.00E,359.58Azi)

Minimum Curvature

Db: Sybase

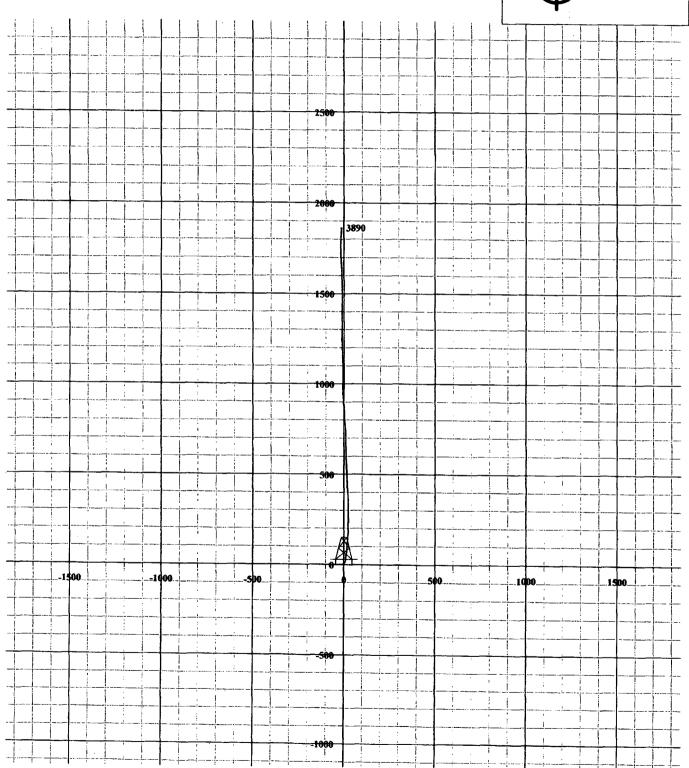
Survey

MD ft	deg deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	CisD 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

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

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

Azirumha to Crid North
True North, 9 (00")
Magazire North, 9 (00")
Magazire North, 9 (00")
Magazire Ort
Dip Aughe, 0 (00")
Dire 28/23/2000
Model: 4gr/2000



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

District I

1625 N. French Dr., Hobbs, NM 88240

District II 1301 W. Grand Avenue, Artesia, NM 88210

<u>District III</u> 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

			Operator Name a	ind Addres	S			432	² OGRID No 23	umber
			15 SMITH F MIDLAND, T	ROAD		<i>j</i>			API Nun	mber .
Proper	rty Code	7	MIDLAND, 12	19/03	Property N	Varne ACT		30 – 025-06	1024	"Well No.
	69				Property N HARRY LEON	ARD E				5
	· · · · · ·		Proposed Pool 1		}			10 Propo	osed Pool 2	
		PENROSE	SKELLY GRAY	BURG	7 0					
					⁷ Surface 1					
UL or lot no.	Section	Township	Range 37-E	Lot lo	idn Feet from		h/South line	Feet from the 330'	East/West I	line County LEA
.Н	16	21-S		-4 Date					EVO:	
*** l-+ ma	Cartion	Township		Sed Botto	om Hole Locati		h/South line	Feet from the	East/West 1	County
UL or lot no.	Section 16	Township 21-S	Range 37-E	TOUR	idn Feet from	Ŧ	NORTH	reet from the 340°	EAST	line County LEA
			J	L				• • •		
					lditional We	ll Informa				
11 Work	Type Code		O Nell Type Cod	ie	13 Cable		14	Lease Type Code S		13 Ground Level Elevation 3481' GL
16 14	Sultiple	12/MTR	17 Proposed Dept			mation	+	19 Contractor	-+-	20 Spud Date
	NO	7	3890'	n /	GRAY			Contraction		6-30-05
Depth to Grou	ındwater			Distano	e from nearest fres	sh water well		Distance from	m nearest surf	face water
Pit: Liner:	: Synthetic	T1 "	nils thick Clay	PitV	olume: bbls	le	Drilling Met	hod.		
	ed-Loop Sys		* SEE ATTA	_				Diesel/Oil-base	ad [] Gae//	Air [7
Cios	McLoop 53.								ou L. J. Com.	N. L.
		T	1		sed Casing a	į.		1	 -	
Hole S		Cas	ing Size	Casing	g weight/foot	Setting	Depth	Sacks of C	ement	Estimated TOC
NO CHA	ANGE	 				 		 	\longrightarrow	· · · · · · · · · · · · · · · · · · ·
		}				 		 		
		 				 		 		
		 				 		 		
22 Describe t	he propose	d program. I	f this application	is to DEE	PEN or PLUG B/	ACK, give the	data on the p	resent productive :	zone and pro	posed new productive zon
					al sheets if necessi		nom on one L	rosom productive	60110 mic p,	posou non proncente zon
KICK OFF P	ONT _ 37	14'								and the same of th
					Permit F	·	Year Fr	rom Approv	ر اور	1617 18 1920 3
TOP OF WIN										
TOP OF WIN	F WINDOV	N - 3721'				Unless,	Drilling (Underway	A A A A	<i>\\</i>
TOP OF WIN	F WINDOV TERVAL -	N - 3721' · 3714'-3890'	,			Unless,	Drilling (S. Walk	B. E.
TOP OF WIN BOTTOM OF TARGET IN	F WINDOV TERVAL -	N - 3721' · 3714'-3890'	,			Unless,			S. S	N 18 19 20 27 23 23 23 23 23 23 23 23 23 23 23 23 23
TOP OF WIN BOTTOM OF TARGET IN	F WINDOV TERVAL -	N - 3721' · 3714'-3890'	,			Unless,	Drilling (CANAL STATE	A PE
TOP OF WIN BOTTOM OI TARGET IN LENGTH OF	F WINDOV TERVAL – F LATERA	N - 3721' - 3714'-3890' L - 1860'	e e	FOR HAI	Date	Unless t	Drilling (Horia	entat		WW.
TOP OF WIN BOTTOM OF TARGET IN LENGTH OF	F WINDOV TERVAL - F LATERAL ASE CANO	N - 3721' - 3714'-3890' L - 1860' CEL HORIZO	ONTAL PERMIT			Unless t	Drilling (Horia	entat		ATTACHED)
TOP OF WIN BOTTOM OF TARGET IN LENGTH OF	F WINDOV TERVAL - F LATERAL ASE CANO	N - 3721' - 3714'-3890' L - 1860' CEL HORIZO	e e		Date	Unless t	Drilling (Horia	entat	** (COPY A	ATTACHED)
TOP OF WIN BOTTOM OF TARGET IN LENGTH OF ********PLE THE #5 WIL	F WINDOV TERVAL - F LATERAL ASE CANC L BE DRIL	N = 3721' - 3714'-3890' L = 1860' CEL HORIZO	ONTAL PERMIT ACE OF THE #6.		Date RRY LEONARD	Unless t	Drilling (on-1 a-1	** (COPY A	ATTACHED),
TOP OF WINBOTTOM OF TARGET INTLENGTH OF THE #5 WILL 23 I hereby ce best of my km	F WINDOV TERVAL - F LATERAL ASE CANC L BE DRIL Britify that the	N - 3721' - 3714'-3890' L - 1860' CEL HORIZO LED IN PLA the information and belief. I furnished	ONTAL PERMIT ACE OF THE #6. In given above is the starther certify the	true and co	Date RRY LEONARD complete to the lling pit will be	Unless t	Drilling (entat	** (COPY A	ATTACHED)
TOP OF WINBOTTOM OF TARGET IN LENGTH OF ***********************************	F WINDOV TERVAL - F LATERAL ASE CANC L BE DRIL British that the moveledge ar according	N = 3721' - 3714'-3890' L = 1860' CEL HORIZO LED IN PLA te information de belief. I fut to NMOCD	ONTAL PERMIT ACE OF THE #6. In given above is to arther certify the guidelines and a guidelines are a guid	true and co	Pate RRY LEONARD complete to the lling pit will be	Unless t	OIL C	on-1 a-1	** (COPY A	ATTACHED)
TOP OF WIN BOTTOM OF TARGET IN LENGTH OF ***********************************	F WINDOV TERVAL - F LATERAL ASE CANC L BE DRIL British that the moveledge ar according	N = 3721' - 3714'-3890' L = 1860' CEL HORIZO LED IN PLA te information de belief. I fut to NMOCD	ONTAL PERMIT ACE OF THE #6. In given above is the starther certify the	true and co	Pate RRY LEONARD complete to the lling pit will be	Unless h	OIL C	on-1 a-1	** (COPY A	ATTACHED)
TOP OF WIN BOTTOM OF TARGET IN LENGTH OF THE #5 WIL. 23 I hereby ce best of my kn constructed:	F WINDOV TERVAL - F LATERAL ASE CANC L BE DRIL entify that the nowledge ar according alternation	N = 3721' - 3714'-3890' L = 1860' CEL HORIZO LED IN PLA be information d belief. I fut to NMOCD ve OCD-app	ONTAL PERMIT ACE OF THE #6. In given above is to arther certify the guidelines are guidelines are guidelines.	true and co	Pate RRY LEONARD complete to the lling pit will be	Unless h	OIL C	on-1 a-1	** (COPY A	ATTACHED)
TOP OF WIN BOTTOM OF TARGET IN LENGTH OF *********PLE. THE #5 WIL. 23 I hereby ce best of my kn constructed an (attached)	F WINDOV TERVAL - F LATERAL ASE CANC L BE DRIL Entify that the nowledge are according to alternation: DENISE	N - 3721' 3714'-3890' L - 1860' CEL HORIZO LED IN PLA te information d belief. I fu to NMOCD ve OCD-app PINKERTOI	ONTAL PERMIT ACE OF THE #6. In given above is a surther certiforing guidelines [] a proved plan [].	true and co	Pate RRY LEONARD complete to the lling pit will be	NCT-E#6 (A	OIL C	ON 6-09-05) ***** CONSERVA	** (COPY A	ATTACHED) E Z 1 1 C C C C C C C C C C C C C C C C C
TOP OF WIN BOTTOM OF TARGET IN LENGTH OF ***********************************	F WINDOV TERVAL - F LATERAL ASE CANC L BE DRIL entify that the nowledge ar according alternative: DENISE	N = 3721' - 3714'-3890' L = 1860' CEL HORIZO LED IN PLA le information nd belief. I fut to NMOCD ve OCD-app PINKERTOI SPECIALIST	ONTAL PERMIT ACE OF THE #6. In given above is a surther certiforing guidelines [] a proved plan [].	true and co at the drill a general p	Pate RRY LEONARD complete to the lling pit will be	NCT-E#6 (A	Drilling (Horia) PPROVED C	ON 6-09-05) ***** CONSERVA	TION DI	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

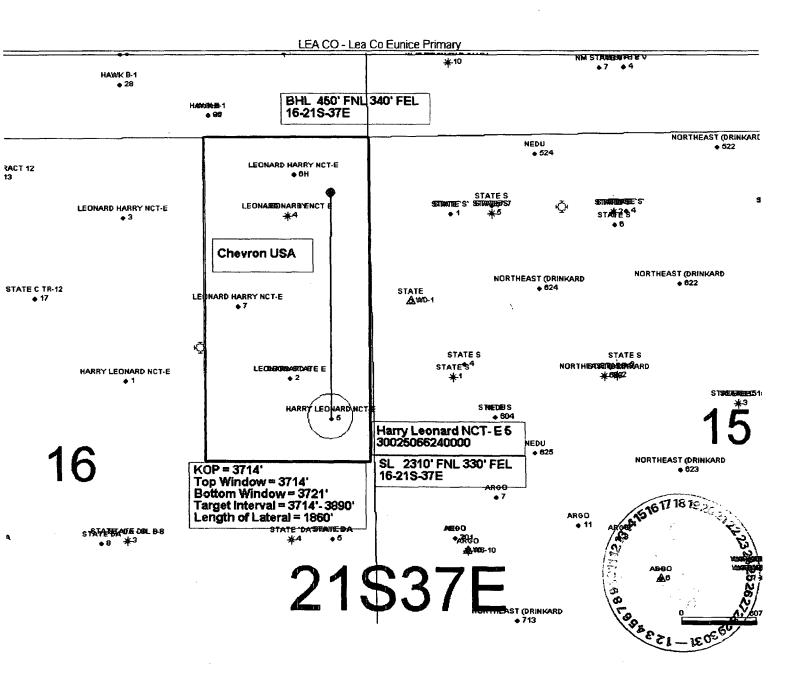
Fee Lease - 3 Copies

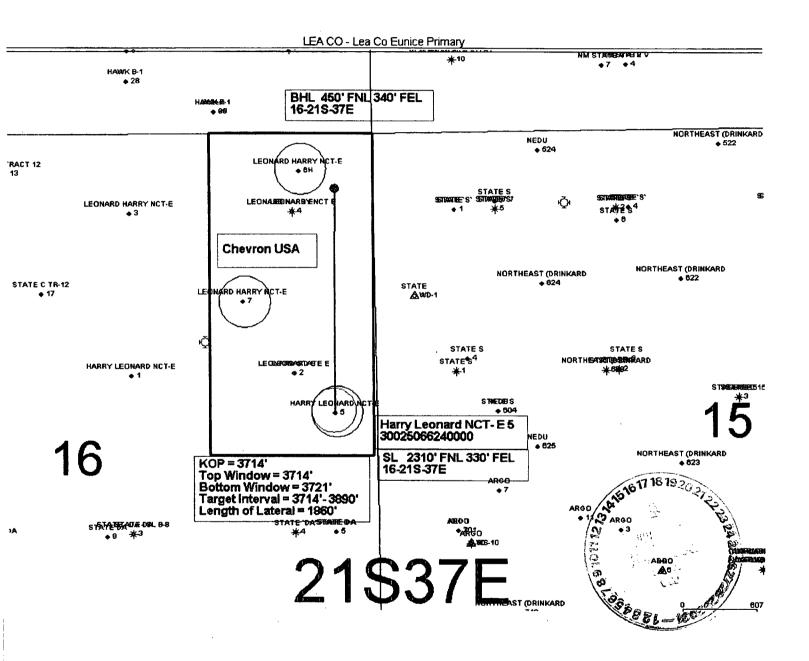
☐ AMENDED REPORT WELL LOCATION AND ACREAGE DEDICATION PLAT

-	API Number 0-025-06624	·		² Pool Code 50350		Pool Name PENROSE SKELLY GRAYBURG						
⁴ Property (2669	Code				⁵ Property N HARRY LEONHA				Well Number 5			
'OGRID) 4323	No.	· 1 ·							' Elevation 3481' GL			
					¹⁰ Surface I	ocation						
UL or lot no.	Section	Township	Range	Lot Idn Feet from the North/South line Feet from the East/West line								
н	16	21-S	37-E		2310'	2310' NORTH 330' EAST LEA						
			11 Bot	tom Hole	Location If	Different From	n Surface					
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West lin	e County			
A	16	21-S	37-E		450'	NORTH	340'	EAST	LEA			
¹² Dedicated Acres	S Joint of	Infill "C	onsolidation	Code "Oro	ler No.	-						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A

	NON-STANI	DARD UNIT HAS BEI	EN APPROVELABI I	HE DIVISION
16			#1 · SH 340'	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature DENISE PINKERTON Printed Name REGULATORY SPECIALIST LEAKEID@CHEVRONTEXACO.COM Title and E-mail Address 6-16-2005 Date
				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 belief. Date of Survey Signature and Seal of Professional Surveyor:
	·			Certificate Number





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

State of New Mexico Energy Minerals and Natural Resources

Form C-101 May 27, 2004

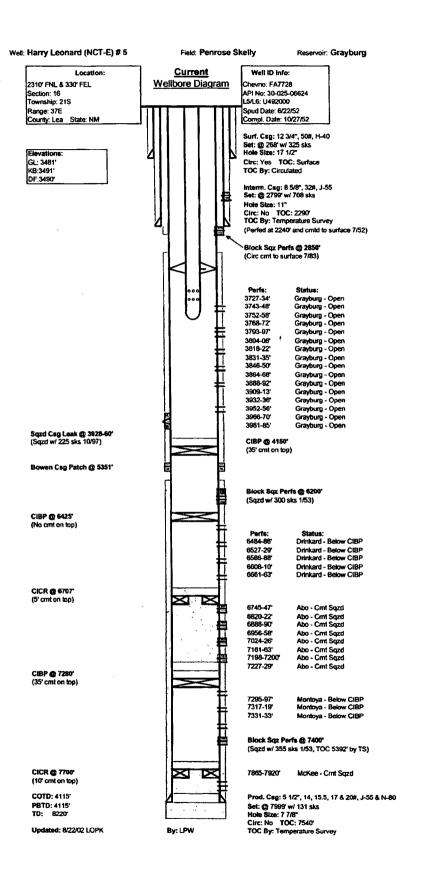
Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

—

Submit to appropriate District Office

☐ AMENDED REPORT

1220 S. St. Fr	rancis Dr., Sa	anta Fe, NM	87505	S	Santa Fe,	NM 87505			
APPL	ICATIO	ON FOR	PERMIT T		RE-ENT	TER, DEEPEN	, PLUGBA	CK, OR A	
			CHEVRON U.S.A	A. INC.			4323		
			15 SMITH RC MIDLAND, TX				30 - 025-2	3 API Number	er
² Prope	rty Code	T		PR	operty Name EONARD 1	CT E			Well No.
21	669			HARRY I	LEUNARDI	NC I-E			6
			Proposed Pool 1				19 Pro	posed Pool 2	
		PENROSE	SKELLY GRAYBI			-!			
 	, 			Sur	face Loc				
UL or lot no.	Section 16	Township 21-S	Range 37-E	Lot ldn	Feet from the	North/South line NORTH	Feet from the 600'	East/West line EAST	County LEA
			⁸ Propose	d Bottom Hole	Locatio	If Different From	Surface		
UL or lot no. H	Section 16	Township 21-S	Range 37-E	Lot idn	Feet from the	North/South line NORTH	Feet from the 340'	East/West line EAST	County LEA
	1		<u>- Надо</u> чения дення де	Additiona	LW-II I	normation	·	_	
11 Work	Type Code	/1	12 Well Type Code		Pale /Rot		Lease Type Code	- 15	Ground Level Elevation
	$D \times I$	16/10	hO 0		RÖDAK	- <i>5</i>	<u>S</u>		3475'
	Multiple NO	4	17 Proposed Depth 3870'	•	Farmatio GREYBUR		19 Contractor		²⁰ Spud Date 6-15-05
Depth to Gro	oundwater			Distance from nea	area fresh w	ater well	Distance fr	om nearest surfac	ce water
Pit: Line	r: Synthetic		nils thick Clay	Pit V lui e:	is	Drilling Me	thod:		17 38 7 -
Clos	sed-Loop Sys	stem [7]	SEE ATTA	CHELLS 144	resh Wa	Drilling Me	esel/Oil-based	Gas/Air 🗆 🎝	1210 1. 10 12 5053
				-1-161	ing and	Cement Progra	m	/25	(A)
<u>-</u>		Γ -	- 1				T	/Ay	
Hole		Cas	sing Size	Casing weight/f	oot	Setting Depth	Sacks of	Cement	Estimated TOC
NO CH	ANGE_	 		- / -				181	
		 						//0	
		 						- \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	S STAN
~~				/			- 	- N	E1-1808
²² Describe	the propose	d program.	If this application is	to DEEPEN or P	LUG BACK	, give the data on the	present productive	zone and propo	osed new productive zone.
Describe the	e blowout pr	revention pro	ogram, if any. Use	additional sheets if	f necessary.				·
KICK OFF	POINT - 37	30 '							2020
TOP OF WI				Typiros	- 1 ∀ ea	r From Appro	val	132	8293037
BOTTOM C			. / 1964	Water Inject	ce Drilli	ng Undarway		15782 L	723
LENGTH O				DSG Ottle		rizonta	1	12/2	37 L. S.
					He	M XD MAC	, 1	722324	o
			7					17 6	
		•						12	
								1/07	
								\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	(1919141)
²³ I hereby c	ertify that th	ne information	on given above is tr	ue and complete to	the	Δπ <i>(</i>	CONSERVA	יים ואטודי	ZEGION
			urther certify that		3 7		CONSERVA	Z LION DIA	TOTOIN
an (attache	ı according :d) alternati	to MMOCD ve OCD-2111) guidelines⊠, a g proved plan □.	general permit L	Pot V	pproved by:			W. CIGNED BY
			-A	() ; /	_, _	<u> </u>		ORIGIN	IAL SIGNED BY
Printed nam	e: DENISE	PINKERTO	NX XIAC	WIKE	T	itle:		PAL	CHARLENGE TO STREET
Title: REGI	ULATORY	SPECIALIS'	T		A	pproval Date:		Expiration Date	ECUAL FLAGUE
E-mail Add	ress: LEAK	EID@CHE	VRONTEXACO.CO	OM		LIN O	9 2005		
Date: 6-07-	-2005		Phone: 432-68	87-7375	С	onditions of Approval			······································





State of New Mexico Form C-103 Submit 3 copica Energy, Minerals and Natural Resources Department to Appropriate District Office Revised 1-1-89 DISTRICT I OIL CONSERVATION DIVISION WELL API NO. P.O. Box 1980, Hobbs, NM 88240 30-025-06624 P.O. Box 2088 DISTRICT II Santa Fe, New Mexico 87504-2088 Indicate Type of Lease P.O. Box Drawer DD, Artesia, NM 88210 STATE M FEE V DISTRICT III 6. State Oil / Gas Lease No. 1000 Rio Brazos Rd., Aztec, NM 87410 AT THE RESERVE THE PARTY OF THE SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO 7. Lease Name or Unit Agreement Name DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMI HARRY LEONARD 'E' (FORM C-101) FOR SUCH PROPOSALS. Oll 1. Type of Well: \checkmark WELL WELL OTHER 8. Well No. 2. Name of Operator 5 **CHEVRON USA INC** 9. Pool Name or Wildcat 3. Address of Operator 15 SMITH RD, MIDLAND, TX 79705 PENROSE SKELLY GRAYBURG 4. Well Location 2310' Feet From The NORTH Line and 330' Feet From The EAST Unit Letter_ Township 21-S Range 37-E LEA COUNTY Section 16 NMPM 10. Elevation (Show whether DF, RKB, RT,GR, etc.) 3481' GL Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: PLUG AND ABANDON REMEDIAL WORK ALTERING CASING PERFORM REMEDIAL WORK CHANGE PLANS COMMENCE DRILLING OPERATION PLUG AND ABANDONMENT \bigcap TEMPORARILY ABANDON PULL OR ALTER CASING CASING TEST AND CEMENT JOB \Box **ADD PERFS & ACIDIZE** OTHER: 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. 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** Regulatory Specialist SIGNATURE ! DATE 5/31/2005

(This space for State Use)

APPROVED

CONDITIONS OF APPROVAL, IF ANY: TITLE

TYPE OR PRINT NAME

Denise Pinkerton

PETROLEUM ENGINEER

DATE

JUN 0 1 2005 DeSoto/Nichols 12-93 ver 1.0

432-687-7375

Telephone No.

Submit 3 copies to Appropriate

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-103 Revised 1-1-8

District Office	Lifeldy, Millerais and Nate	ia i tesources Department	Revised 1	1-1-89
DISTRICT I	OIL CONSERVA	TION DIVISION	WELL API NO.	
P.O. Box 1980, Hobbs, NM 88240	P.O. Box		30-025-06624	
DISTRICT II	Santa Fe, New Me	exico 87504-2088	5. Indicate Type of Lease	
P.O. Box Drawer DD, Artesia, NM 88210 <u>DISTRICT III</u>	•		STATE FE	E ☑
1000 Rio Brazos Rd., Aztec, NM 87410			6. State Oil / Gas Lease No.	
	ICES AND REPORTS ON	WELLS		L.
(DO NOT USE THIS FORM FOR PROF	POSALS TO DRILL OR TO DE RVOIR. USE "APPLICATION I	EEPEN OR PLUG BACK TO FOR PERMI	7. Lease Name or Unit Agreement Name HARRY LEONARD 'E'	THE SECTION AND ADDRESS OF THE PARTY OF THE
00	-101) FOR SUCH PROPOSAL	<u>.S</u>	TIARRY LEONARD E	
1. Type of Well: OIL GAS WELL WELL	OTHER			
Name of Operator CHEVRON US	SA INC		8. Well No.	
	D, MIDLAND, TX 79705		9. Pool Name or Wildcat PENROSE SKELLY GRAYBURG	
4. Well Location Unit Letter H :	2310' Feet From The	NORTH Line and 330'	Feet From The EAST Line	
Section 16		Range37-EN	MPM LEA_ COUNTY	
	10. Elevation (Show whether DF	, RKB, RT,GR, etc.) 3481' GL		
11. Check Ap	propriate Box to Indicate	Nature of Notice, Report	t, or Other Data	
NOTICE OF INTENTIO	N TO:	SI	UBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIAL WORK	☐ ALTERING CASING	
TEMPORARILY ABANDON	CHANGE PLANS	COMMENCE DRILLING OF	PERATION PLUG AND ABANDONMENT	
PULL OR ALTER CASING		CASING TEST AND CEME	SOL THE	
OTHER: ADD PERF	S & ACIDIZE	OTHER:		
 Describe Proposed or Completed Opproposed work) SEE RULE 1103. 	erations (Clearly state all pertin	nent details, and give pertinent o	dates, including estimated date of starting any	y .
CHEVRON U.S.A. INC. INTENDS TO A	DD PERFS AND ACIDIZE THI	E GRAYBURG RESERVOIR IN	THE SUBJECT WELL.	
***A PIT WILL NOT BE USED FOR THIS	S WORKOVER. A STEEL FR	AC TANK WILL BE UTILIZED.*	tut	
THE CURRENT & PROPOSED WELLB	ORE DIAGRAMS ARE ATTAC	CHED FOR YOUR APPROVAL.		
PLEASE SEE ATTACHMENT FOR INTE	ENDED PROCEDURE.			
		21-12	Received Timed Received Receiv	

SIGNATURE SIGNATURE	and complete to the bast of my knowledge and belief. TITLE	Regulatory Specialist	DATE <u>4/6/2005</u>
TYPE OR PRINT NAME	Denise Pinkerton		Telephone No. 432-687-7375
(This space for State Use)		A STATE OF THE STA	APR 0 8 2005
APPROVED CONDITIONS OF APPROVAL, IF A	NY: TITLE	ENEWEER.	DATE DeSoto/Nichols 12-93 ver 1,0

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.

- 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' (PBTD). 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

1	3752-3758	500 gals	1/2-1 bpm	3751-3759
-	3743-3748	500 gals	½-1 bpm	3741-3749
1	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 tbg 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 tbg & 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

District.1

1625 N. French Dr., Hobbs, NM 88240

District II

811 South First, Artesia, NM 88210

OIL CONSERVATION DIVISION 2040 South Pacheco

State of New Mexico

Energy, Minerals & Natural Resources

Form C-104 Revised March 25, 1999

Submit to Appropriate District Office

5 Copies

Disprict III Santa Fe, NM 87505 1000 Rio Brazos Rd., Aztec, NM 87410 AMENDED REPORT District IV 2040 South Pacheco, Santa Fe, NM 87505 REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT Operator name and Address Chevron U.S.A. Inc. 3 Reason for Filing Code P.O. Box 1150 Midland, TX 79702 6 Pool Code 4 API Number 5 Pool Name PENROSE SKELLY; CRAYBURG 50350 30-025-06624 30-0 Property Name 9 Well Number Property Code HARRY LEONARD (NCT-E) 2669 Surface Location Π. Fast/West line County Lot. Idn Feet from the North/South Line Feet from the UL or lot no. Section 2310 NORTH "Bottom Hole Location North/South Line Feet from the East/West line County Lot. Idn Feet from the UL or lot no. Section Township Range 13 Producing Method Code 14 Gas Connection Date 15 C-129 Permit Number 16 C-129 Effective Date 17 C-129 Expiration Date 12 Lse Code III. Oil and Gas Transporters 22 POD ULSTR Location 19 Transporter Name and Address 20 POD 21 O/G 18 Transporter OGRID and Description PHILLIPS PETROLEUM 0709910 0 034019 4001 PENEROOK H-16-21S-37E ODESSA, TX 79762 DYNEGY MIDSTREAM SERVICES, LP 024650 2806575 G 1000 LOUISIANA, SUITE 5800 H-16-218-37E HOUSTON, TX 77002-5050 IV. Produced Water 24 POD ULSTR Location and Description 0709950 Well Completion Data 25 Spud Date 26 Ready Date 27 TD 28 PBTD 29 Perforations 30 DHC, MC 12/10/01 3768′-3985<u>′</u> 31 Hole Size 32 Casing & Tubing Size 33 Depth Set 34 Sacks Cement NO NEW CASING 2-7/89 3740 VI. Well Test Data 36 Gas Delivery Date 37 Test Date 36 Test Length 39 Tbg. Pressure 40 Csg. Pressure 12/10/01 1/14/02 24 HRS 125 ⁴² Oil 41 Choke Size 43 Water 44 Gas 45 AOF 46 Test Method PUMPING 47 I hereby certify that the rules of the Oil Conservation Division have been compiled with and that the information given above is true and complete to the best of my knowledge and belief. OIL CONSERVATION DIVISION ORIGINAL SIGNED BY Approved by: Signature: PAUL F. KAUTZ PETROLEUM ENGINEER Printed name: Title: J. K. RIPLEY Title: Approval Date: FEB 1 8 2002 REGULATORY O.A Phone: (915) 687-7148 1/15/02 48 If this is a change of operator fill in the OGRID number and name of the previous operator Previous Operator Signature Printed Name

Office Submit 3 Copies 10 Appropriate District	Energy, Minerals and I		es			FOITH C-10	
District I 1625 N. French Dr., Hobbs, NM 87240	Lincing, without and i	vatarar Nesoure		VELL API	NO.	Revised March 25, 19	7
District II	OIL CONSERVAT	TON DIVISIO	DN L	30	-0250		╛
811 South First, Artesia, NM 87210 District III	2040 South		5	. Indicate 7	Type of L	ease	ļ
1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe, N			STAT	E 🗶	FEE 🗌	
District IV 2040 South Pacheco, Santa Fe, NM 87505			6	. State Oil	& Gas L	ease No.	7
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1. Type of Well: Oil Well X Gas Well □	Other		F	PARRY LECON	ARD (NC	T-E)	
2. Name of Operator			8	. Well No.			1
Chevron U.S.A. Inc. 3. Address of Operator				5 D. Pool nam	e or Wile	icat	\dashv
P.O. Box 1150 Midland, TX 7	9702		F	enrose sk			_
4. Well Location		······					7
Unit Letter H :	2310 feet from the	NORTH line	e and	330 f	eet from	the EAST lin	ne l
Section 16	Township 21s	B Range	37E	NMPM		County LEA	
	10. Elevation (Show whe	ther DR, RKB, R	T, GR, etc.)		4		
11. Check A	appropriate Box to Indi	cate Nature of	Notice, R	eport, or t	Other I)ata	
NOTICE OF INTI	• • •			EQUENT			
PERFORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIAL				ALTERING CASING	
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12. Describe Proposed or Complete of starting any proposed work). or recompilation. SET CIBP @ 4150'; DOMPED W/217 GALS 15%. RIH W/TH	SEE RULE 1103. For Mu 35' CMT ON TOP. PERFO 3, FUMP & RODS. RETUR	ltiple Completion	s: Attach w				
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I hereby certify that the information above	is true and complete to the be	est of my knowledge	e and belief.				-
SIGNATURE Q. K. Rup	les	TITLE RECULATI	ORY O.A.		D	ATE 1/15/02	
•	<i>(</i> /	ORIGINAL	SICHER	~· /			
Type or print name J. R. RIPIRY (This space for State use)		PAUL	F. KA	1	elephon	No. (915)687-714	<u>B</u> _
(This space for State use)		PETROLEL	IM ENGT				
APPROVED BY Conditions of approval, if any:		TITLE				T 0 2000	
Conditions of approval, it ally.				-	, LD	T Q SAAS	
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Submit to Appropriate District Office State of New Mexico Form C-105 State Lease - 6 copies Ene . Minerals and Natural Resources Revised March 25, 1999 Fee Lease - 5 copies **ELL API NO.** District 1 1625 N. French, Hobbs, NM 88240 30-025-06624 OIL CONSERVATION DIVISION District II 5. Indicate Type Of Lease STATE X FEE 811 South First, Artesia, NM 87210 2040 South Pacheco District III Santa Fe. NM 87505 1000 Rio Brazos Rd., Aztec, NM 87410 6. State Oil & Gas Lease No. District IV 2040 South Pacheco, Santa Fe, NM 87505 WELL COMPLETION OR RECOMPLETION REPORT AND LOG 7. Lease Name or Unit Agreement Name la. Type of Well: OIL WELL X GAS WELL DRY 🔲 OTHER_ b. Type of Completion: WORK DEEPEN BACK DIFF. OTHER HARRY LEONARD (NCT-E) 8. Well No. 2. Name of Operator Chevron U.S.A. Inc. 5 9. Pool name or Wildcat 3. Address of Operator P.O. Box 1150 Midland, TX 79702 PENROSE SKELLY; GRAYBURG 4. Well Location Unit Letter H : 2310 Feet From The NORTH Line and 330 Feet From The Township 218 **NMPM** Section Range 12. Date Compl. (Ready to Prod.) 11. Date T.D. Reached 13. Elevations (DF & RKB, RT, GR, etc.) 10. Date Spudded 14. Elev. Casinghead 12/10/01 17. If Multiple Compl. How Many Zones? 18. Intervals 15. Total Depth 16. Plug Back T.D. Rotary Tools Cable Tools Drilled By 4115 19. Producing Interval(s), of this completion - Top, Bottom, Name 20. Was Directional Survey Made 3768'-3985' 21. Type Electric and Other Logs Run 22. Was Well Cored 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 TUBING RECORD TOP SACKS CEMENT | SCREEN SIZE SIZE DEPTH SET PACKER SET 2-7/8" 3740' 26. Perforation record (interval, size, and number) 27. ACID, SHOT, FRACTURE, CEMENT, SOEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 3768'-3985' 217 GALS 15% 3768'-3985' W/4 JEPF PRODUCTION Date First Production Production Method (Flowing, gas lift, pumping - Size and type pump) Well Status (Prod. or Shut-in) POMPING 12/10/01 PROD Date of Test Hours Tested Prod'n For Test Period Choke Size Oil - Bbl. Gas - MCF Water - Bbl. Gas - Oil Ratio 1/14/02 24 W.O. 45 152 3378 Flow Tubing Casing Pressure Calculated 24-Oil - Bbl. Gas - MCF Water - Bbl. Oil Gravity - API -(Corr.) Hour Rate 152 60

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

Name

J. K. RUPLEY

Test Witnessed By

Title

REGULATORY O.A. Date 1/15/02

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

30. List Attachments

INSTRUCTIONS

This form is to be filed with the appropriat: 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

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State of New Mexico Energy, Minerals & Natural Resources

Form C-101 Revised March 17, 1999

District 1 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. 1st Street, Artesia, NM 88210

Oil Conservation Divsiion

Submit to appropriate District Office
State Lease - 6 Copies

d., Aztec, Ni	M 87410	2040 South Pacheco							Ree Lease - 5 Copies	
o. Santa Fe.	NM 87505								1	ce Lease - 5 Copies
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	¹ Ope	erator Name and	d Address	· ·					² OGRID Numb	er
.A. Inc.										
	and, TX	79702		···				30- 30-0	25-06624	l l
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Section	Township	Range	Lot. Idn					Feet from the	East/West line	County
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proposed pro	gram. If this	application is	to DEEPEN	or PLUG BAC	K, give	the data	on the pre	esent productive	zone and proposed	new productive zone.
vout preventi	on program,	if any. Use add	litional sheet	s if necessary.						
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District I

1625 N. French Dr., Hobbs, NM 88240

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

⁵ Property Name

Form C-102 Revised August 15, 2000

District II

811 South First, Artesia, NM 88210

Property Code

District III 1000 Rio Be District IV

1000 Rio Brazos Rd., Aztec, NM 87410

API Number

30-025-06624

1220 South St. Francis Dr. Santa Fe. NM 87505

Pool Code

50350

Submit to Appropriate District Office

Pool Name

Penrose Skelly: Grayburg

State Lease - 4 Copies

Fee Lease - 3 Copies

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

AMENDED REPORT

Well Number

2669		Harry Leonard (NCT-E) Operator Name							5
OGRID!	ia.	Operator Name							* Rievation
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State of New Mag

Submit 3 Copies Form C-103 Energy, Minerals and Natural Resources Department to Appropriate Revised 1-1-89 District Office OIL CONSERVATION DIVISION DISTRICT I WELL API NO. P.O. Box 1980, Hobbs NM 88241-1980 2040 Pacheco St. 30-025-06624 Santa Fc, NM 87505 DISTRICT IJ Indicate Type of Lease P.O. Drawer DD, Artesia, NM 88210 STATE X FEE 🗆 DISTRICT III 6. State Oil & Gas Lease No. 1000 Rio Brazos Rd., Aztec. NM 87410 SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A 7. Lease Name or Unit Agreement Name DIFFERENT RESERVOIR, USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) 1. Type of Well: HARRY LEONARD (NCT-E) GAS WELL WELL OTHER 8. Well No. 2. Name of Operator Chevron U.S.A. 3. Address of Operator 9. Pool name or Wildcat Midland, TX 79702 DRINKARD P.O. Box 1150, 4. Well Location NORTH **EAST** 2310 Line and Feet From The Unit Letter _ Feet From The _ Line 37E LEA Township Range **NMPM** 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: PLUG AND ABANDON ALTERING CASING PERFORM REMEDIAL WORK REMEDIAL WORK PLUG AND ABANDONMENT TEMPORARILY ABANDON **CHANGE PLANS** COMMENCE DRILLING OPNS CASING TEST AND CEMENT JOB PULL OR ALTER CASING OTHER: TA'D 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. 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 I haveby certify that the information above is true and complete to the best of my knowledge and belief. TITLE TECHNICAL ASSISTANT SIGNATURE TELEPHONE NO. (915)687-7148 Cher space for State Uses ORIGINAL STOMED BY CHRIS WILLIAMS DISTRICT I SUPERVISOR APPROVED RV

CONDITIONS OF APPROVAL, IF ANY

Submit 3 Copies to Appropriate

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-103 Revised 1-1-89

District Office OIL CONSERVATION DIVISION DISTRICT I WELL API NO. P.O. Box 1980, Hobbs NM 88241-1980 P.O. Box 2088 30-025-06624 DISTRICT II Santa Fe. New Mexico 87504-2088 5. Indicate Type of Lease P.O. Drawer DD, Artesia, NM 88210 STATE X FEE 🗌 6. State Oil & Gas Lease No. 1000 Rio Brazos Rd., Aztec, NM 87410 SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A 7. Lease Name or Unit Agreement Name DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) 1. Type of Well: HARRY LEONARD (NCT-E) ÖIL MELL GAS WELL OTHER SI 8. Well No. 2. Name of Operator Chevron U.S.A. Inc. 3. Address of Operator 9. Pool name or Wildcat DRINKARD P.O. Box 1150, Midland, TX 79702 4. Well Location **NORTH** 2310 330 **EAST** Unit Letter Feet From The Line and Feet From The Line 16 215 37E 1 FA **NMPM** Section Township Range 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 REMEDIAL WORK ALTERING CASING **TEMPORARILY ABANDON** CHANGE PLANS COMMENCE DRILLING OPNS. PLUG AND ABANDONMENT **PULL OR ALTER CASING** CASING TEST AND CEMENT JOB TA-D OTHER: 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. 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. TITLE TECHNICAL ASSISTANT 8/19/97 DATE TYPE OR PRINT NAME J. RIPLEY TELEPHONE NO. (915)687-7148 (This space for State Use) Orig. Signed by Paul Kautz aus 22 tog7 alogist APPROVED BY DATE CONDITIONS OF APPROVAL, IF ANY:

District I PO Box 1980, Hobbs, NM 88241-1980

1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico gy, Minerals & Natural Resources Department

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

District II 811 S. 1st Street, Artesia, NM 88210-2834 District III

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

5 Copies

District IV PO Box 2088, Santa	Fe. NM 87	/504-2088		Danie 1	0, 11112	0.00.	2000				AME	NDED REPORT
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PTATE OF NEW MEYICO

Area Engineer

5-31-85

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

7.

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Lease No.

County

SUPERVISOR

liance with RULE 1104.

If this in a request for silowable for a newly drilled or despened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with MULE 111.

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

Fill out only Sections I. II. III. end 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.

STATE OF NEW MEXICO ENERGY AND MIMERALS DEPARTMENT

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DISTRIBUTION		
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FILE		
U.S.G.S.		
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CONDITIONS OF APPROVAL, IF ANY:

OIL CONSERVATION DIVISION P. O. OOX 2088

Form C-163 Revised 10-1-78

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Address of Operator	9. Wellyto.
P.O. Boy 670 Hobbis nm 88240	
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CONDITIONS OF APPROVAL, IF ANYI

OIL CONSERVATION DIVISION

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OIL AAS WELL	OTHER-		
2. Name of Operator	01764.		8. Farm of Lease Lame
2. reduce of Operator			a. r am or Lease Lame
Gulf Oil Corporation			Harry Leonard (NCT-E)
3. Address of Operator			9. Well No.
P. O. Box 670, Hol	bbs, NM 88240		, ,
4. Location of Well			10. Field and Pool, or Wildcat
· • ·			1
UNIT LETTER H	2310 FEET FROM THE North	LINE AND 330 FEET FO	Drinkard
East	, 16 zazza 21s	37E	(
THE East LINE, SECTION 16 TOWNSHIP 218 MANCE 37E HAPM.			
mmmmmm	15. Elevation (Show whether	DF, RT, GR, etc.)	12. County
311111111111111111111111111111111111111	77777	·	Lea
Check A	Appropriate Box To Indicate N	ature of Notice, Report or	Other Data
	ITENTION TO:	-	ENT REPORT OF:
		20005401	in the one or .
			_
PERFORM REMEDIAL WORK	FLUG AND ASANDON	*EMEDIAL WORK	ALTERING CASING
TEMPORARILY ARAHDON		COMMENCE DRILLING OPHS.	PLUG AND ABANDONMENT
PULL OR ALTER CARINE	CHANGE PLANS	CABING TEST AND CEMENT JOB	·
	•	OTHER	
OTHER Repair Casing	X		
17. Describe Proposed or Completed Op	erations (Clearly state all pertinent det	ils, and give pertinent dates, includ	ling estimated date of starting any proposed
wprk) SEE RULE 1103.			
·			
POH with production	on equipment. Set RBP at	6470', cap with 10'	sand Locate casing
leak from RBP to	surface. Set cement reta	liner 751 shows seeing	look Course Casing
necessary Drill	out coment retainer and	aner 75 above casting.	reak. Cement as
necessary. Dilli	out cement retainer and	cement. Test casing	000#. Clean out to
RBP. POH with RB	P. GIH with 2-7/8" tubin	ig, rods and pump.	
	•		•
·			
•	••••		
	78.	Room Parth 10 cc.	
	24	While I will be a server of	
	•	THE PART OF THE	The state of the s
		- 14 UC,2	The state of the s
·			the way the state of the same
			· · · · · · · · · · · · · · · · · · ·
18. I hereby certify that the information	above is true and complete to the best of	f my knowledge and balief.	
$\mathcal{O}(\mathcal{O})$	·		
IK ())(/a	tal	Area Engineer	5 6 00
#16#CD		area mignicel	DAYE 5-6-83
	TERRY SEXTON		, ·
OPIGINAL SIGNE	D BY JERRY SEXTON		·
APPROVED BY DISTOICT	SUPERVISOR		• • • • • • • • • • • • • • • • •
· · · · · · · · · · · · · · · · ·			

STATE OF NEW MEXICO	
CONSERVATION DIVISION	
	Form C-103
1. 0. 00 % 2.088	Revised 19-1-
SANTA FE, NEW MEXICO 87501	
U.S.O.S.	Sa. Indicate Type of Lease
LAND OFFICE	State E Fon
OPERATOR	5, State Oil 6 Gas Leaso No.
	B-1732
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO ORILL OR TO DECEMEN OF PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT "" (FORM C-101) FOR SUCH PROPOSALS.)	
OIL CAB WELL OTHER-	7. Unit Agreement Name
Name of Operator	8. Farm or Lease Name
Gulf Oil Corporation	Harry Leonard (NCT-F
Address of Operator	9. Well No.
P. O. Box 670, Hobbs, NM 88240	5
Location of Well	10. Field and Pool, or Wildcat
H 2310 Free Poor to North Line and 330	mark at a s
UNIT LETTER H . 2310 FEET FROM THE NOTTH LINE AND 330 FEET FROM	THE PROPERTY OF THE PARTY OF TH
Foot 16 210 27m	
THE EAST LINE, SECTION 16 TOWNSHIP 21S MANCE 37E MMPM.	
15. Elevation (Show whether DF, RT, GR, etc.)	12. County
13. Elavation (Snow whether Dr. NY, On, etc.)	12. Comity
	Lea ()))))
6. Check Appropriate Box To Indicate Nature of Notice, Report or Oth	ner Data
NOTICE OF INTENTION TO: SUBSEQUENT	REPORT OF:
-CRFGRM REMEDIAL WORK PLUC AND ABANDON REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABAHOOK COMMENCE DRILLING OPHS.	PLUG AND ABANDONMENT
FULL OR ALTER CASING CHANGE PLANS 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 work) SEE RULE 1903.	estimated date of starting any propo-
The above well is currently closed in; uneconomical to produce.	
•	
•	
·	

. I hereby certify that the information above is true	and complete to the best of my knowledge and belief.	
R.D. Pite	Area Engineer	BATE 6-4-82
ORIGINAL SIGNED BY		JUN 8 1982
and the same and the same of t		

Gxpires 6/1/83

DISTRIBUTION NEW MEXICO OIL. CONSERVATION COMMISSION Firm C-104 TAFE REQUEST FOR ALLOWABLE Superceder Old C-104 and C-116 FIE I Hective 1-1-85 AND G.5. AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS L ID OFFICE OIL FRANSPORTER OPERATOR PRORATION OFFICE Operator Gulf Oil Corporation Box 670, Hobbs, New Mexico 88240 (coson(s) for filing (Check proper box) Other (Please explain) New Well Change in Transporter of: Gas is connected to Warren's system Recompletion OH Dry Gas but run to El Paso Natural Gas Co Change in Ownership Casinghead Gas Condensate account If change of ownership give name and address of previous owner ____ II. DESCRIPTION OF WELL AND LEASE. [Well No. | Pool Name, Including Formation State, Federal or Fee Harry Leonard (NCT-E) Drinkard State Feet From The North Line and 330 East Feet From The 16 Township 21-S Range 37-E III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS Address (Give address to which approved copy of this form is to be sent) Name of Authorized Transporter of Oil Box 1510, Midland, Texas 79701 Address (Give address to which approved copy of this form is to be sent) Texas-New Mexico Pipeline Co. of Dry Gas [__ Name of Authorized Transporter of Casinghead Gas Box 1589, Tulsa, Oklahoma 74100 Warren Petroleum Corporation P.ge. Unit Twp. If well produces oil or liquids, give location of tanks. 21-S : 37-E G 16 Yes January 7, 1975 If this production is commingled with that from any other lease or pool, give commingling order number: COMPLETION DATA Gas Well New Well Workover Plug Back Same Res'v. Diff. Res'v. Designate Type of Completion - (X) 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 Casina Shoe TUBING, CASING, AND CEMENTING RECORD HOLE SIZE CASING & TUBING SIZE DEPTH SET SACKS CEMENT V. TEST DATA AND REQUEST FOR ALLOWABLE (Test must be after recovery of sotal volume of load oil and must be equal to ar 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 Chake Size Actual Prod. During Teet Oil - Bhie. Wgjer - Bbls. GOS - MCF **GAS WELL** Actual Prod. Test-MCF/D Length of Test Bbls. Condensate/MMCF Gravity of Condensate

Testing Method (pitot, back pr.) Tubing Preseure (Shut-in) Casing Pressure (Shut-in) Choke Size OIL CONSERVATION COMMISSION 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 beat of my knowledge and belief.

BRankers	
(Signature)	
Area Engineer	
(Title)	
January 8, 1975	_

(Date)

9 1875 JAN

Lease No.

B-1732

County

APPROVED BY. 335 T 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 allow-able on new and recompleted wells.

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

SA TA FE

NEW MEXICO OIL CONSERVATION COMMISSION REQUEST FOR ALLOWABLE

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

i	∩ F! E		AND		Fuective [-1-	03
(O.S.	AUTHORIZATION TO TRA	INSPORT OIL AND	NATURAL G	AS	
	OIL	1				
	TRANSPORTER GAS	1				
	OPERATOR	1				
	PRORATION OFFICE	1	a.m	MICHAEL AND		- TATE
1.	Operator	<u> </u>			CAR MUST WO	
	Gulf Oil Corporation			RECORD STREET		4000
	Address		01.4	BTAINED.	CEPTION TO R	4810
	Reason(s) for filing (Check proper box)	Mexico 88240	10 U	DIAMAD.		
	1 —	•	Other (Pleas	-		
	New Well	Change in Transporter of:			bo & Comp. in	
	Recompletion	Oil Dry Go		l be conne	cted to Warren	's system
	Change in Ownership	Casinghead Gas Conder	but run	to El Pas	o Natural Gas	Co. Acct.
	If change of ownership give name	•				
	and address of previous owner					
Ц.	DESCRIPTION OF WELL AND	Well No. Pool Name, Including F	ormation	Kind of Lease		Lease No.
	Harry Leonard (NCT-E)			State, Federal	or Fee Chata	
	Location	J DITHRALO		4	or Fee State	B-1732
	Unit Letter H : 2310	Feet From The North Lin	ne and 330	Feet From T	he East	
	Onit Letter : : :	Pear From The 1108 Cit	.e dita	restricts t	100 DOME	
	Line of Section 16 Tow	waship21-S Range_37	-B . NMPN	и,	Lea	County
						<u>-</u>
Ш.	DESIGNATION OF TRANSPORT					
	Name of Authorized Transporter of Oil	or Condensate	l .		ed copy of this form is	
	Texas-New Mexico Pipel		Box 1510, Mid	lland, Kex	as 79701 ed copy of this form is	
	Name of Authorized Transporter of Cas	-	i			to be sent)
	Warren Petroleum Corpora		Box 1589, Tul	lsa, Oklah	oma 74100	
	If well produces oil or liquids,	Unit Sec. Twp. Rgs.	le gas actually connect	ted? Whe	n	
	give location of tanks.	G 16 21-S 37-E	No	 –		
		th that from any other lease or pool,	give commingling orde	r number:		
IV.	COMPLETION DATA	Oil Weil Gas Weli	New Well Workover	Deepen	Plug Back Same Re	e'v. Diff. Bee'v
	Designate Type of Completio	on – (X)	I HOLLOVER	Leopon	l as I	Ditt. Resiv.
	Date SCHOOL Recompleted	Date Compl. Ready to Prod.	Total Depth	_ 	P.B.T.D.	<u> </u>
	11-21-74	11-21-74	8220		67071	
	Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/XX Pay		Tubing Depth	····
	3481' GL	Drinkard	6484'		6415'	
	Perforations	1 27210.4214		···	Depth Casing Shoe	
	6484' to 6663'				7999'	
		TUBING, CASING, AND	CEMENTING RECO	RD		
	HOLE SIZE	CASING * TUBING SIZE	DEPTHS	ET	SACKS CEI	MENT
	17-1/4"	12-3/4"	268'		325 sacks (C	irculated
	11"	8-5/8"	27991		1100 sacks_(0	
	7-7/8"	5-1/2"	79991		131 sacks (T	OC at 754
		2-7/8"	6415		<u> </u>	
V.	TEST DATA AND REQUEST FO	OR ALLOWABLE (Test must be a	fter recovery of sotal vol- opth or be for full 24 hour	ume of load oil a	nd must be equal to or	exceed top allow
	OII, WELL Date First New Oil Run To Tanks	Date of Test	Producing Method (Flo		- 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	Bbie. Condensate/MMC	F	Gravity of Condensate	
	Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut	t-in)	Choke Size	
	at a	<u> </u>	<u> </u>			
VI.	CERTIFICATE OF COMPLIANCE	CE	OIL	CONSERVA	TION COMMISSIO	N
			ll .	77	1.25	
	I hereby certify that the rules and r	egulations of the Oil Conservation	APPROVED		 ,	19
	Commission have been complied wabove is true and complete to the	ith and that the information given beat of my knowledge and belief.	BY	C	នាំខ្លួ [ំ]	
			J			-
	•		TITLE		ji ca e e	
	$\mathcal{Q}_{\mathcal{A}}$		This form is to	o be filed in c	ompliance with RUL	E 1104,
	Marke	<u>u</u>	If this is a req	uset for allow	able for a newly drill	ed or despense
	(Signa	(hed)	well, this form mus	t be accompan	ied by a tebulation of lence with MULE 11	of the deviation
	Area Engineer		11		t be filled out compl	
	(Tu)	· ·	able on new and re	completed we	le.	•
	November 27, 1		Fill out only	Sections I, II,	III, and VI for char on or other such chang	nges of owner,
	(Dai	· · · /	MAIT ITEMS OF USUDE	., or crensporte	" or orner secu cuep!	- '♥

N . OF COPIES RECEIVED				Form C-103	
DISTRIBUTION			•	Supersedes Old C-102 and C-103	
SANTAFE	N	IEW MEXICO OIL CONS	ERVATION COMMISSION	Effective 1-1-65	
FILE					
U.S.G.S.				5a, Indicate Type of L	. eape.
LAND OFFICE		•		State VX	Fee
OPERATOR				5, State Oil & Gas Le	ase No.
				B-1732	
(DO NOT USE THIS FOR	SUNDRY NOTICE	S AND REPORTS ON	WELLS		
1.	ATTECENTION FOR TERMI	1 - (FORM C-101) FOR 30C	· · · · · · · · · · · · · · · · · · ·	7. Unit Agreement Nar	ne
OIL XX GAB WELL	OTHER-	***************************************	······································		
2. Name of Operator				8, Form or Lease Nam	i e
Gulf Oil Corpo	ration			Harry Leona	rd (NCT-E)
3. Address of Operator				9. Well No.	
Box 670, Hobbs	, New Mexico 8	8240		5	
4. Location of Well				10, Fleld and Pool, or	: Wildcat
UNIT LETTER H		ET FROM THE North	LINE AND 330 FEET FROM	Drinkard	
_				TITIIIIII	
THE East	NE, SECTION 16	томизнір 21-S	RANGE 37-E NMPM.		
	11111111	. Elevation (Show whether	DF, RT, GR, etc.)	12. County	<i>HHHHH</i>
		34	81' GL	Lea	
16.	Chook Appendies				77777777
	Check Appropriati E OF INTENTION		lature of Notice, Report or Oth		
:*	E OF INTENTION	10:	SORSEQUENT	REPORT OF:	
			<u></u>		<u></u>
PERFORM REMEDIAL WORK		PLUG AND ABANDON	REMEDIAL WORK	ALTERING C	ASING
TEMPORARILY ABANDON			COMMENCE DRILLING OPHS.	PLUG AND A	BAHDONMENT []
PULL OR ALTER CASING		CHANGE PLANS	CASING TEST AND CEMENT JOB		
			OTHER		L
OTHER		L	Abandonad Wanta Aba and		5-41
17. Describe Proposed or Com	pleted Operations (Cle	arly state all pertinent det	Abandoned Wantz Abo and ails, and give pertinent dates, including	estimated date of starti	ing ony proposed
work) SEE RULE 1103.		•			ing any proposed
8220' TD, 6707'	מס י				
		nt Cat			
ruileu proc	ucing equipme	nt. Set cement	retainer at 6707' and so	lueezed Wantz A	Abo
periorations by	745' to 7229' \	with 150 sacks o	of Class C cement. Rever	sed out approx	kimately
10 sacks. Maxi	Lmum pressure	1150#. Held 100	00#, 30 minutes, OK. Per	forated Drinks	ard
zone in 5-1/2"	casing with 4	, 1/2" JHPF at 6	484-86', 6527-29', 6586-	88', 6608-10'	and <
0001-03'. Kan	Baker Model R	packer on 2-7/8	" tubing and set at 6415	' with 14,000:	f comp-
ression.Treated	l new periorat:	10ns with 1600 g	allons of 15% NE acid ar	d from tranta	4
10,000 gallons	of gel water	and 25,000 gallo	ps containing 1 to 2# SP	C Flushed and	(& L
TAND SELECTIONS OF	Rel Water.	MAXIMUM Dressura	: 3700#. mfnfmum 310 0# T	CTD 1550# LEA	ham 1E
minuces 1400#.	AIR 15.1 BPM	. Flowed and cl	eaned up. Closed well i	n pending gas	line
connection.				- Lenering Pan	11110
			·		
18. I hereby certify that the in	formation above is true	and complete to the best	of my knowledge and belief.		
\mathcal{N})				
/41	asher	•	Aron Food		
SIGNED	words	TITLE	Area Engineer	DATE November	27. 1974
	C.			000	
APPROVED BY		TITLE		DATE	· e

CONDITIONS OF APPROVAL, IF ANY: (1) 8-10-11

OF COULT RECEIVED			Form C-103 Superaedea Old
DISTRIBUTION		EVICE OIL CONSEDUATION COMMISSION	C-102 and C-103
SANTA FE		EXICO OIL CONSERVATION COMMISSION	Effective 1-1-85
			5a. Indicate Type of Lease
LAND OFFICE	- - 	•	State X Fee
OPERATOR		•	5. State Oil & Gas Lease No. B-1732
	· · · · · · · · · · · · · · · · · · ·		111111111111111111111111111111111111111
IDD NOT USE THIS FORM	FOR PROPOSALS TO ORILL OR T	REPORTS ON WELLS TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. ORM C-101) FOR SUCH PROPOSALS.	
I. OIL BAS WELL WELL	OTHER-		7. Unit Agreement Name
2. Name of Operator			8. Farm or Lease Hame
Gulf Oil Corpora 3. Address of Operator	tion		Harry Leonard (NCT-E)
	obbs. N.M. 88240		5
4. Location of Well UNIT LETTER H	2310 PEET PROM	THE NORTH LINE AND 330 PEET	Wantz Abo
	., section 16		MILLION MARKET TO THE STATE OF
···· CINI			
	15. Eleva	tion (Show whether DF, RT, GR, etc.) 3481 GL	12. County Lea
16. C	heck Appropriate Box	To Indicate Nature of Notice, Report o	
	OF INTENTION TO:		JENT REPORT OF:
PERFORM REMEDIAL WORK	PLUG	AND ABANDON REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABAHDON		COMMENCE DRILLING OPNS.	PLUG AND ABANDONMENT
PULL OR ALTER CASING	CMAN	ISE PLANS CASING TEST AND CEMENT JOS	
		OTHER Well Status	Report
OTHER		U	
17. Describe Proposed or Comp	leted Operations (Clearly eta	te all pertinent details, and give pertinent dates, inci	uding estimated date of starting any proposed
work) SEE RULE 1703.	• •	7	
Metr Tast broduced	in may, 1974. Wi.	ll recomplete in Drinkard in 1975	5.
	,		
		` (a	
		(1000)	1-26
		Experies 10/1/	79
		1 /	
IB. I hereby certify that the info	rmation above is true and cor	mplete to the best of my knowledge and belief.	
Ra	1.5		
116HED	works.	TITLE Area Engineer	DATE 10-15-74
	DAS Staned by		
100000 BY	toe D. Ramey		DATE
	PANYI Dist. I. Subst		

DISTRIBUTION SANTA FE			
SANTA FE		, = ?	Supersedes Old C-102 and C-103
	NEW MEXICO OIL CONS	ERVATION COMMISSION	Effective 1-1-65
FILE			
u.s.g.s.	j		5a. Indicate Type of Lease
LAND OFFICE			State Fee 👭
OPERATOR]		5. State Oil & Gas Lease No.
	•		
SUNDS	RY NOTICES AND REPORTS ON PLOS TO BEEN OF PLUG	WELLS	
1.		- THOPOSHED.	7. Unit Agreement Name
OIL Y GAS WELL	OTHER-		
2. Name of Operator			8. Farm or Lease Name
Cult Odl Componentian	•		
Gulf Oil Corporation 3. Address of Operator		-	Harry Leonard (NCT-E)
·			9. Well No.
Box 670, Hobbs, New M	exico 8824 0		5
4. Location of Well			10. Field and Pool, or Wildcat
UNIT LETTERH	2310 FEET FROM THE North	LINE AND 330 PEET	Wantz Aho
THE East LINE, SECT	on 16 TOWNSHIP 21-S	37-17	
THE LINE, SECT	ON TOWNSHIP	RANGE JI M	(
	15. Elevation (Show whether	DF. RT. GR. etc.)	12, County
		•	
		81' GL	Lea (\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Check	Appropriate Box To Indicate 1	Nature of Notice, Report or	Other Data
NOTICE OF I	NTENTION TO:	SUBSEQUI	ENT REPORT OF:
PERFORM REMEDIAL WORK	PLUG AND ASANDON	REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON		COMMENCE DRILLING OPHS.	PLUG AND ABANDONMENT
PULL OR ALTER CASING	CHANGE PLANS	CASING TEST AND CEMENT JOB	
	—		
		THER	
Abandon Wantz Ab	o and complete in	OTHER	
OTHER Abandon Wantz Ab	o and complete in	бтики	
Drinkard 17. Describe Proposed or Completed O			ding estimated date of starting any proposed
Drinkard			ding estimated date of starting any proposed
Drinkard 17. Describe Proposed or Completed O work) SEE RULE 1 (03.			ding estimated date of starting any proposed
Drinkard 17. Describe Proposed or Completed O work) SEE RULE 1703. 8220 TD, 7245 PB.	perations (Clearly state all pertinent des	ails, and give pertinent dates, inclu	
Drinkard 17. Describe Proposed or Completed O work) SEE RULE 1703. 8220 TD, 7245 PB. Pull producin	perations (Clearly state all pertinent des	ails, and give pertinent dates, inclured to the second sec	ately 6710' and squeeze
Drinkard 17. Describe Proposed or Completed Owork) SEE RULE 1703. 8220' TD, 7245' PB. Pull producin Wantz Abo perforation	g equipment. Set cement s 6745' to 7229' with ap	ails, and give pertinent dates, inclu retainer at approximately 200 sacks	ately 6710' and squeeze of cement. Perforate
Drinkard 17. Describe Proposed or Completed Of work) SEE RULE 1703. 8220' TD, 7245' PB. Pull producin Wantz Abo perforation Drinkard zone in 5-1/	g equipment. Set cement s 6745' to 7229' with ap 2" casing with 4, 1/2" J	retainer at approximately 200 sacks	ately 6710' and squeeze of cement. Perforate e interval 6484' to 6663'
Drinkard 17. Describe Proposed or Completed Of work) SEE RULE 1703. 8220' TD, 7245' PB. Pull producin Wantz Abo perforation Drinkard zone in 5-1/ Run 2-7/8" tubing and	g equipment. Set cement s 6745' to 7229' with ap 2" casing with 4, 1/2" J packer. Set packer at	retainer at approximately 200 sacks	ately 6710' and squeeze of cement. Perforate e interval 6484' to 6663'
Drinkard 17. Describe Proposed or Completed Owork) SEE RULE 1703. 8220' TD, 7245' PB. Pull producin Wantz Abo perforation Drinkard zone in 5-1/ Run 2-7/8" tubing and with 2,000 gallons of	g equipment. Set cement s 6745' to 7229' with ap 2" casing with 4, 1/2" J packer. Set packer at 15% NE acid and frac tr	retainer at approximproximately 200 sacks HPF in the approximately 6450' are approximately 6450' are at with 10,000 gallor	ately 6710' and squeeze of cement. Perforate e interval 6484' to 6663' nd treat new perforations ns of gel water and 25.000
Drinkard 17. Describe Proposed or Completed Owork) SEE RULE 1703. 8220' TD, 7245' PB. Pull producin Wantz Abo perforation Drinkard zone in 5-1/ Run 2-7/8" tubing and with 2,000 gallons of	g equipment. Set cement s 6745' to 7229' with ap 2" casing with 4, 1/2" J packer. Set packer at 15% NE acid and frac tr	retainer at approximproximately 200 sacks HPF in the approximately 6450' are approximately 6450' are at with 10,000 gallor	ately 6710' and squeeze of cement. Perforate e interval 6484' to 6663' nd treat new perforations ns of gel water and 25.000
Drinkard 17. Describe Proposed or Completed Of work) SEE RULE 1703. 8220' TD, 7245' PB. Pull producin Wantz Abo perforation Drinkard zone in 5-1/ Run 2-7/8" tubing and with 2,000 gallons of gallons of gel water	g equipment. Set cement set 6745' to 7229' with ap 2" casing with 4, 1/2" J packer. Set packer at 15% NE acid and frac tracontaining 1 to 2# SPG.	retainer at approximproximately 200 sacks HPF in the approximately 6450' are approximately 6450' are at with 10,000 gallor	ately 6710' and squeeze of cement. Perforate e interval 6484' to 6663' nd treat new perforations ns of gel water and 25.000
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DISTRIBUTION ... W MEXICO OIL CONSERVATION COMMISSION SANTA FE REQUEST FOR ALLOWABLE Supersedes Old C-104 and C-110 FILE Effective 1-1-65 AND U.S.G.S AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS LAND OFFICE OIL TRANSPORTER GAS OPERATOR PRORATION OFFICE Gulf Oil Corporation Box 670, Hobbs, New Mexico 88240 Reason(s) for filing (Check proper box) Other (Please explain) New Well Change in oil tr ansporter, effective Recompletion 011 Dry Gas February 28, 1973 Change in Ownership Costnahead Gas Condensate If change of ownership give name and address of previous owner ___ II. DESCRIPTION OF WELL AND LEASE | Well No. | Pool Name, Including Formation Kind of Lease State, Federal or Fee Harry Leonard (NCT-E) Wantz Feet From The North __ Line and __ 330 East Township Range 37-K Line of Section NMPM Lea II. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS e of Authorized Transporter of Oil Address (Give address to which approved copy of this form is to be sent) Texas-New Mexico Pipeline Co.. Name of Authorized Transporter of Casinghead Gasxx Box 1510, Midland, Texas 79701 Address (Give address to which approved copy of this form is to be sent) or Dry Gas Warren Petroleum Corporation Box 1589, Tulsa, Oklahoma XXXXX 74100 Unit Sec. Twp. P.ge. If well produces oil or liquids, give location of tanks. 16 21-S 37-E Yes **1-13-7**3 If this production is commingled with that from any other lease or pool, give commingling order number: IV. COMPLETION DATA Gas Well New Well Otl Well Workover Plug Back Same Res'v. Diff. Res'v. Designate Type of Completion - (X) 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 SACKS CEMENT V. TEST DATA AND REQUEST FOR ALLOWABLE (Test must be after recovery of sotal volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours) OIL WELL 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 - Bble. Gan - 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 II. CERTIFICATE OF COMPLIANCE OIL CONSERVATION COMMISSION APPROVED. 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. Orig. Signed by loc D. Ramey BY. Dist. I, Supv.

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

TITLE

(Stanbeure)

(Tiele)

(Date)

Area Engineer

February 28, 1973

If this is a request for silowable 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.

Lease No.

County

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 plated wells.

	. U	.^		-			
	FILE	REQUEST	FOR ALLOWABLE	Service of the servic			
	U.S.G.S.	AUTHORIZATION TO TRA	AND	Enecavi: ,-,-ob			
	LAND OFFICE		ANDPORTOIL AND NATO	RAL GAS			
	IRANSPORTER OIL	7					
	GAS	_					
	OPERATOR PROPATION OFFICE	-					
J.	Operator						
	Gulf Oil Corporation						
		orden 88240	•				
	Box 670, Hobbs, New M Reason(s) for filing (Check proper box)	Other (Please explai	n)			
	New Well	Change in Transporter of:	_				
	Recompletion	OII Dry Go	= MCCOMPTCCT	on			
	Change in Ownership	Casinghead Gas Conde	nsale				
	If change of ownership give name and address of previous owner	THIS WELL HAS BEEN PL	ACED IN THE POOL				
		DESCINATED ALLOWS IF TO PAGE NOTIFY THIS OFFICE.	TOU DO NOT CONCUR				
II.	DESCRIPTION OF WELL AND	Well No. Pool Name, including F	ormation Kind o	of Lease Lease Lease No.			
	Harry Leonard (NCT-E)	5 Wantz Abo_	į	Federal or Fee Fee Fee			
	Location						
	Unit Letter H : 23	10 Feet From The North Lin	o and <u>330</u> Feet	From The East			
	Line of Section 16 Tox	waship 21-S Range	37-E , NMPM,	Lea			
		21-5	1 total mi	Lea County			
Ш.		TER OF OIL AND NATURAL GA					
	Name of Authorized Transporter of Oil or Condensate Address (Give address to which approved copy of this The Permian Corporation Box 3119, Midland, Texas 79701						
	Name of Authorized Transporter of Car			approved copy of this form is to be sent)			
	Warren Petroleum Corp	Oklahoma 74100					
	If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Fige.	is gas actually connected? Yes	When 1-13-73			
	L	th that from any other lease or pool,					
	COMPLETION DATA						
	Designate Type of Completic	on - (X) Gas Well Gas Well	New Well Workover Dee	1			
	Date XXXXXX recompleted	Date Compl. Ready to Prod.	Total Depth	Y (P.B.T.D.			
	1-10-73	1-10-73	8220'	7245 '			
	Elevations (DF, RKB, RT, GR, etc.) 3481 GL	Name of Producing Formation Abo	Top 0136506 Pay	Tubing Depth 6698			
	Perforations	1 100	0743	Depth Casing Snoe			
	6745 - 7229'			7999'			
		T	CEMENTING RECORD				
	17-1/4"	12-3/4"	268	SACKS CEMENT 325 sacks (Circulated)			
	11"	8-5/8"	2799'	1100 sacks (Circulated)			
	7-7/8"	5-1/2"	7999'	131 sacks (TOC at 7540			
•,	TOO DAMA AND DECUEST OF	2-7/8"	66981				
٧.	TEST DATA AND REQUEST FO		pth or be for full 24 hours)	oad oil and must be equal to or exceed top allow			
i	Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump,	gas lift, etc.)			
	1-10-73 Length of Test	1-13-73 Tubing Pressure	Flow Caping Pressure	Choke Size			
	23 hours	150#		16/64"			
	Actual Prod. During Test	Oil-Bble.	Water-Bbis.	Gas-MCF			
-	48 barrels	48	0				
	GAS WELL						
ſ	Actual Prod. Test-MCF/D	Length of Test	Bblu. Condenscte/MMCF	Gravity of Condensate			
Ì			Control Control				
	Testing Method (pirot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size			
1.	CERTIFICATE OF COMPLIANCE	CE	OIL CONSE	ERVATION COMMISSION			
			(3)	1111			
	I hereby certify that the rules and r Commission have been complied w		APPROVED A SHI	10			
	shove is true and complete to the		SY	JUNY -			
			TITLE SUPER	WISCP/ESTRUT 1			
	01.0	0	l //	ed in compliance with Suc 2 110%.			
_	J.J. Belong	rle	If this is a request for	allowable for a newly critical or its peace			
-		tura) .	well, this form must be accepted taken on the well in	companied by a tabulation of the deviatio accordance with RULE 111.			
	Area Engineer		Att massions of this fo	em must be fitted out completely are allow			

(Title)

(Date)

January 18, 1973

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 condition.

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

NO. OF COPIES RECEIVED			Form C - 03
DISTRIBUTION			Supersedes Old C-102 and C-103
SANTAFE	NEW MEXI	CO OIL CONSERVATION COMMISSION	Effective 1-1-65
FILE			
U.S.G.S.			5a. Indicate Type of Leave
LAND OFFICE			State Fee 2
OPERATOR	Ī		5. State Cil & Gas Lease No.
<u> </u>	,		
SUNDR	RY NOTICES AND R	EPORTS ON WELLS EEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. (C-101) FOR SUCH PROPOSALS.)	
1.	TOR FOR FERMINE (FORM	COTOTO FOR SUCH PROPOSACS.)	7. Unit Agreement Name
OIL X GAS WELL	QTHER-		
2. Name of Operator			8. Farm or Lease Name
Gulf Oil Corporation			Harry Leonard (NCT-E)
3. Address of Operator			9. Well No.
Box 670, Hobbs, New Mex	ico 88240		5
4. Location of Well			10. Field and Pool, or Wildean
UNIT LETTER H 2	310 FEET FROM TH	North LINE AND 330	ET FROM Wantz Abo
i			
THE East LINE, SECTION	on 16 Town	NSHIP 21-S RANGE 37-E	NMPM.
	15. Elevation	(Show whether DF, RT, GR, etc.)	12. County
		3481' GL	Lea
16. Chark	Appropriate Boy To	a Indianta Names of Nation Domina	- 01 2
		o Indicate Nature of Notice, Report	
NOTICE OF I	NTENTION TO:	SUBSE	QUENT REPORT OF:
PERFORM REMEDIAL WORK	PLUG AN	D ABANDON REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON		COMMENCE DRILLING OPHS.	PLUG AND ABANDONMENT
PULL OR ALTER CASING	CHANGE		
	•		Loop 18 Montoya and re-
OTHER		completed in Wantz	z Abo
IR Day of Completed Or	Vesa (Clarely sees a	- U i	
work) SEE RULE 1103.	perditions (Ciearty State L	nt pertinent aetaits, and give pertinent dates, is	ncluding estimated date of starting any proposed
7245' PB.			
Pulled producing	equipment. Rar	n CI BP and set at 7280'. Du	imped 35' cement on top of
BP, abandoning Montoya	perforations 72	295' to 7333'. Calculated PH	3 at 7245'. Tested caping
		2" casing in Abo zone with 2	
		', 7161-63', 7198-7200' and 7	
orations with 4500 call	ons of 15% NE a	acid. Maximum pressure 3400	ISTP 1500# after 15 min-
utes 1100#. AIR 5.4 BP	M Swahhed and	cleaned up and placed well	on production
uces 11.00%. Alk 5.4 bi	III DWADDEG GIIC	creamed up and praced werr	on production.
		•	
			•
			`
·			
<u> </u>			
18. I hereby certify that the information	above is true and compl	ete to the best of my knowledge and belief.	
0/1/3			
SIGNED M. S. OHULD	reale	TITLE Area Engineer	DATE January 18, 1972
	7	9	- Children Children
- Cold	b y		人名 伊尔 (1987年)
Joe D. Ram	e y	TITLE	JAN STORY
CONDITIONS OF APPROVAL, IF ANY	٧.		UATE

THE THE SPIES RECEIVED						
DISTRIBUTION	NEW	MEXICO OIL CONSI	ERVATION COMMISSI	ON	Form C-10i	
SANTA FE		•	•		Revised 1-1-6	55
FILE		•			5A. Indicate	Type of Lease
U.S.G.S.					STATE	X FEE
LAND OFFICE					.5, State Oil	& Gas Lease No.
OPERATOR	<u></u>				B-1732	<u>} </u>
			· · · · · · · · · · · · · · · · · · ·			
	N FOR PERMIT TO	DRILL, DEEPEN,	OR PLUG BACK		7//////	
In. Type of Work					7. Unit Agre	eement Name
DRILL		DEEPEN	PLU	BACK XX		
b. Type of Well	1		and F	ULTIPLE	8. Form or L	ease Name
OIL X GAS WELL 2. Name of Operator	OTHER	·	SINGLE M	ZONE	Harry	Leonard (NCT-E)
-					9. Well No.	
Gulf Oil Corporat 3. Address of Operator	ion				10 5434 5	d Pool, or Wildcat
1	/					-
Box 670, Hobbs, N				•	1,1999,1	A MONTOVA
UNIT LETTI	ER H: LOC	ATED	FEET FROM THE NOTE	II LINE	IIIIIX	HHHHHH
AND 330 FEET FROM	THE Rast LIN	E OF SEC. 16	TWP. 21-5 RGE. 3	7-E NMPM	IIIIII	
THINNING THE	innii innii	untiinii	riin filmiin	îî îî îî îî îî	12. County	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
					7	
	<i>HHHHHH</i>	<i>HHHHH</i>	/////////////////////////////////////	///////	THIT	HHH HH
HHHHHH			19, Proposed Depth	19A. Formatio	n	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 wili start
3481' GL	Blanke	t			Janua	ry 4, 1973
23.	P	ROPOSED CASING AN	D CEMENT PROGRAM			., .,
	· · · · · · · · · · · · · · · · · · ·	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
SIZE OF HOLE	SIZE OF CASING		T SETTING DEPT			
17-1/4"	12-3/4"	50#	268'		-	culated)
<u>11"</u> 7-7/8"	8-5/8"	32#	2799'			culated)
7-1/8"	5-1/2"	15.50#	7999'	131 sa	cks (TOC	at 5392')
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 BLOWDUT PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE, GIVE BLOWDUT PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE, GIVE BLOWDUT PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW						
Signed M. S.	reoseale	Title Area Engi	ineer		Date Janu	ary 4, 1973
	1					
(I his space for	Mg/Blened by					
	John Runyan				11	AN 5 1973
APPROVED BY	Geologist	TITLE			DATE_UF	111 () () ()

CONDITIONS OF APPROVAL, IF ANY:

my

NO. OF COPIES RECEIVED			Form C-103
DISTRIBUTION			Supersedes Old C-102 and C-103
SANTA FE	NEW MEXICO OIL CONSER	VATION COMMISSION	Effective 1-1-65
FILE			
U.S.C.S.	_		Sa. Indicate Type of Lease
LAND OFFICE			State X Fee
OPERATOR			5. State Oil & Gas Lease No. B-1732
			201732
	DRY NOTICES AND REPORTS ON WE PROPOSALS TO BRILL OR TO DEEPEN OR PLUG BACK CATION FOR PERMIT - " (FORM E-101) FOR SUCH P	LLS TO A DIFFERENT RESERVOIR. ROPOSALS.)	
I. OIL X GAS WELL X	OTHER-		7, Unit Agreement Name
2. Name of Operator			8. Farm or Lease Name
Gulf Oil Corporation 3. Address of Operator	1		Harry Leonard (MCT-E)
Box 670, Hobbs, New	Mexico 88240		5. Well No.
4. Location of Well	TREATED OUZ-40		10. Field and Pool, or Wildcat
1	2310 FEET FROM THE North	LINE ANDFEET FROM	Loop 18 Montova
THE East LINE, SE	CTION 16 TOWNSHIP 21-S	RANGE 37-E NMPM.	
	15. Elevation (Show whether DF	, RT, GR, etc.)	12. County
	3481' (3L	Lea
16. Chec	k Appropriate Box To Indicate Nat	use of Notice Report of Orl	nos Dosa
	INTENTION TO:		REPORT OF:
П			<u></u>
PERFORM REMEDIAL WORK		EMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON PULL OR ALTER CASING	— — — — — — — — — — — — — — — — — — —	ASING TEST AND CEMENT JOB	PLUG AND ABANDONMENT
PULL ON ACTER CASING	CHANGE PEARS	OTHER	
OTHER			
		losed in Report.	
17. Describe Proposed or Complete work) SEE RULE 1103.	i Operations (Clearly state all pertinent details	, and give pertinent dates, including	estimated date of starting any proposed
•			
7375' PB.			
	ll uneconomical to produce a	t this time. To be ca	rried as alosed in
bubleec we	are directionized to produce di	this time. To be ca	rried as crosed in.
			•
18. I hereby certify that the informa	tion above is true and complete to the best of m	y knowledge and belief.	
01 - 1			
SIGNED 19. 0. 422	elazeale TITLE AT	rea Engineer	November 3, 1972
STORES .	<i></i>		UNIT
Orig. Sig			March 19 .
John Re			DATE TOUT U 10/2
Geolo	gist		

DISTRIBUTIO				
SANTA FE				
FILE				
u.s.g.s.	Ĭ.			
LAND OFFICE				
IRANSPORTER	OIL			
THE NOT ONLY CH	GAS			
OPERATOR				

	SANTA FE		 	1	NEW ME			ATION COM	HSSION	Form C-104	
			 	4		REQUEST	FOR AL	LOWABLE		Supersedes (old C-104 and C-
	FILE		 	4			AND			Effective 1-1	-65
	U.S.G.S.		 	AUTH	ORIZATI	ON TO TR	ANSPORT	OIL AND	NATURAL (GAS.	
	LAND OFFICE			_							
	TRANSPORTER	OIL]							
	I MANON ON , CIN	GAS		1							
	OPERATOR			7							
,	PROBATION OFF	ICE		1							
	Operator		<u> </u>	<u> </u>							
	Gulf Gil Co	rpora	ation								
	Address										
	Box 670, Ho	bhs.	New M	evice 881	240						
	L	-									
	Reason(s) for filing (Check p	roper box					Other (Pleas	e explain)	_	
	New Well	닏		Change	in Transport	er of:	_	ł			
	Recompletion			Oil	<u></u>	Dry G	as 🛄	Change i	n Oil Tra	ansporter, eff	ective
	Change in Ownership			Casingh	ead Gas 🔙	Conde	nsate	February	9, 1972	,,	
	<u> </u>										
	If change of owners										
	and address of previ	ious ow	ner								
	DECORIDERON OF										
11.	DESCRIPTION OF	F WEL	L AND		Pool Name	e, Including F	ormation		Kind of Lease		
	5	- 1 /3	·~ ~ `	!	1 _						Lease No.
	Harry Leona	ra (N	(LI-E)	5	Loop	18 Mont	oya		State, Federa	lor Fee State	27179
	Location										
	Unit Letter H		23:	LO Feet Fr	rom The No	rth Li	ne and	330	Feet From	The East	
	1						***************************************				
	Line of Section	16	Tov	mship 21	L-S	Range	37-E	, NMPN	Lea		County
	<u> </u>		·····	·		· · · · · · · · · · · · · · · · · · ·	_		1100		County
III.	DESIGNATION OF	TRA	NSPORT	ER OF OU	L AND NA	TURAL G	1S				
	Name of Authorized	ranspor	ter of Oil	₹ or	Condensate		Addtess	Give address	to which approx	ved copy of this form is	to be sent;
	The Permian						i				-
	Name of Authorized	COLP	oracit	Inghard Con	TO OF DEV	Gas	Box	119, M1d	land, Tex	as 79701 red copy of this form is	
	Warren Petr	-1	Comm	ingneda Gas [K GI DAY	ل المعادل	1				to be sentj
	waiten retr	oream	corpo				Box 1	.589, Tul	sa, Oklah	oma_74100	
	If well produces oil o	r liquide	в,	Unit Se		. Pge.	ls gas ac	tually connect	ed? Whe	n.	<u> </u>
	give location of tanks	J.		G	16 21	-S 37-E	Yes	l ,	. Fe	bruary 21, 197	0
	If this production is	commis	noted wit	h that from a	ny other le	ase or pool	give com	ningling orde			<u> </u>
IV.	COMPLETION DA		agree wit		my other re	asc 0, p001,	give com	mighting order			
	Oil Well Gas Well					New Well	Workover	Deepen	Plug Back Same Re	s'v. Diff. Res'	
	Designate Type	e of Co	ompletio	n = (X)		1	i	1	:	1 1	
	Date Spudded			Date Compl.	Ready to Pr	od.	Total De	oth .		P.B.T.D.	
				i -							
	Elevations (EF, RKB	PT C		Name of Proc	ducing Form	atton	Top Oil/	Soe Door		Tubing Depth	
	Distances (D), KKD	, 1.1 , 67	(, etc.)	realis of Flor	rucing r orm	41,011	100 0117	Jus Fuj		rubing Deptin	
				i			<u> </u>			1	
	Perforations									Depth Casing Shoe	
					<u></u>					<u> </u>	
					TUBING, C	ASING, ANI	CEMENT	ING RECOR	D	·	
	HOLES	SIZE		CASIN	G & TUBIN	IG SIZE		DEPTH S	ET	SACKS CE	MENT
							1			 	
							 	· · · · · · · · · · · · · · · · · · ·			
•	DECE DAMA AND	DEOL	ren re	D ATT OW	ARIE C						
٧.	TEST DATA AND OIL WELL	KEQU	ESI FC	IK ALLUWA	ADILE (f	est must pe a bla for this de	iter recover	y oj total volu or full 24 hours	me of load oil ()	and must be equal to or	exceed top allo
1	Date First New Oil R	un To To	ank e	Date of Test		7,5 1,11,1	<u> </u>		, pump, gas lif	t. etc. l	
	D4.0 7 1101 1104 O15 11							, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, ,, ,	-,,	
	1			Tuk/ 5			Centra			Choke Size	
ł	Length of Test			Tubing Press	T		Casing P			CAURA SIXE	
							<u> </u>				
	Actual Prod. During T	**************************************		Oil - Bbla.			Water - Bb	is.		Gas-MCF	
							<u> </u>				
•											
	GAS WELL										
ſ	Actual Prod. Test-M	CF/D		Length of Te	et .		Bbls. Cor	densate/MMC	,	Gravity of Condensate	·
l	*						ľ			1	
- }	Testing Method (pitot	hack a	2. 1	Tubing Press	ura / chut_(18.)	Casina Ri	essure (Shut	18)	Choke Size	
1	. same manual fatter	, out a p	,	. movement to 1 mm as	(onut-1	1	Juning P	a fount.	/	J. N. S. L. S.	
ı							 			L	
VI.	CERTIFICATE OI	F COM	PLIANC	E			11	OIL (ONSERVA	TION COMMISSIO	N
									ទ្ទាស ។ (1 1972	
	I hereby certify that						APPRO	VED	3 44 10' 14 3		. 19
	Commission have be	en con	nplied w	ith and that	the inform	ation given			Oria	Signed For	
	above is true and c	omplete	a ro (De	Dest Of My	FUOMIEGES	enu Deilei.	BY		Toe	D. Ramey	
	11						TITLE		Dia		
			1				''''			, Jupy,	
	1911		/				Th	is form is to	be filed in c	ompliance with RUL	E 1104.
	Mun	><	100	١.			ll u	this is a requ	est for allow	able for a newly drill	led or deepe
•	·		(Signal	iure)		•	well, ti	is form must	be accompan	ried by a tabulation	of the devict
	Petroleum En	ginee	r				11			dence with RULE 11	
•			(Tiel	e j			able or	sections of	this form mui completed we	st be filled out compl lis.	erath tot att
	February 9.	1972					13			III, and VI for cha	nges of nw
. •		 _	(Dat	e1						er, or other such Chan	

will name or number, or transporter, or other such changes of own
well name or number, or transporter, or other such change of condit
Superate Forms C-104 must be filed for each pool in much

NO. OF COPIES RECEIVED DISTRIBUTION

.EW MEXICO OIL CONSERVATION COMMISSION

Form C-104

SANTA FE	REQUEST	FOR ALLOWABLE	Supersedes Old C-104 and C-116 Effective 1-1-65
FILE U.S.G.S.		AND	
LAND OFFICE	AUTHORIZATION TO TR	ANSPORT OIL AND NATURAL G	
OIL			rED 24 1970
TRANSPORTER GAS			I LLD N +
OPERATOR			
PRORATION OFFICE			
Operator Onlf Oll Corporation Address			
Box 670, Hobbs, New 1	Meschap 88240		
Reason(s) for filing (Check proper	box)	Other (Please explain)	
New Well	Change in Transporter of:		
Recompletion	Oil Dry G	H to british Sep afair	aportes, effective
Change in Ownership		ensate	
If change of ownership give nam and address of previous owner	•		
I. DESCRIPTION OF WELL AN	Well No. Pool Name, Including	Formation Kind of Lease	Lease No.
Harry Loonard MCT-E) 5 Leop 13 Montes	State, Federal	or Fee State 27179
	310 Feet From The Morth L	ine and Feet From T	heEast
		37-E , NMPM, Toe	
Line of Section 16	Township 21_9 Range	37-E , NMPM, IAR	County
I. DESIGNATION OF TRANSPO	ORTER OF OIL AND NATURAL G	AS Address (Give address to which approve	ed copy of this form is to be sent?
Admiral Crade Cil Co.	-	1	
Name of Authorized Transporter of		Address (Give address to which approve	ed copy of this form is to be sent)
Warren Petroleum Cor	-	Box 1589, Tulsa, Oklahe	
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Pige.	Is gas actually connected? When	Cobrusty 25, 1970
If this production is commingled V. COMPLETION DATA	with that from any other lease or pool		
Designate Type of Comple	etion - (X)	New Well Workover Deepen	Plug Back Same Resty, Diff. Resty,
	Date Compl. Ready to Prod.	Total Depth	
Date Spudded	Date Compt. Reday 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
		D CEMENTING RECORD	
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
		 	
V. TEST DATA AND REQUEST	FOR ALLOWABLE (Test must be able for this c	after recovery of total volume of load oil a lepth or be for full 24 hours)	nd must be equal to or exceed top allow
Date First New Cil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas life	, etc.)
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bhis.	Water - Bbis.	Gas - MCF
			- MOI
GAS WELL			
Actual Prod. Test-MCF/D	Length of Teet	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size
I. CERTIFICATE OF COMPLIA	ANCE	OIL CONSERVA	TION COMMISSION
I hereby certify that the rules a	nd regulations of the Oil Conservation	APPROVED	, 19
Commission have been complied	d with and that the information given the best of my knowledge and belief.		A Maria
moove to time and combiets to	oest or my knowledge sid belief.	BY TO THE CO	- Mary
_		TITLE SUPERMIC	
	SIGNED BY	This form is to be filed in co	ompliance with RULE 1104.
	ORLAND	If this is a request for allowe	ble for a newly drilled or deepened
	ignature)	well, this form must be accompan tests taken on the well in accord	ied by a tabulation of the deviation ance with RULE 111.
area Production Manag	(Title)	All sections of this form mus	t be filled out completely for allow
February 21., 1970	, · ······/	able on new and recompleted wel	
- Jus may 644 471V	(Date)		III, and VI for changes of owner, r, or other such change of condition.
			be filed for each pool in multiply
		completed wells.	

NO. OF COPIES RECEIVED DISTRIBUTION SANTA FE FILE	NEW MEXICO OIL CONSER	VATION COMMISSION	ED 2 1 1070 Supersedes Old C-102 and C-103 Effective 1-1-65
U.S.G.S. LAND OFFICE OPERATOR			Sa. Indicate Type of Lease State Fee 5. State Oil & Gas Lease No.
SUNDR (DO NOT USE THIS FORM FOR PRO USE "APPLICATION OIL GAS WELL WELL	Y NOTICES AND REPORTS ON WE POSALS TO BRILL OR TO DEEPEN OR PLUG BACK ON FOR PERMIT -" (FORM C-101) FOR SUCH P	ELLS TO A DIFFERENT RESERVOIR, ROPOSALS.)	7. Unit Agreement Name
2. Name of Operator Galf Oil Corporation 3. Address of Operator			8. Sarm or Lease Name Harry Leonard (NCT-E) 9. Well No.
Box 670, Hobbs, Herr Man 4. Location of Well UNIT LETTER H 2 THE Bast LINE, SECTION	310 FEET FROM THE North No. 16 TOWNSHIP 21-5	RANGE 37-B NMPN	10. Field and Pool, or Wildcat Loop 18 Mentoys
16. Check A	Appropriate Box To Indicate Nat	81' G. ure of Notice, Report or O	i2. County The ther Data IT REPORT OF:
PERFORM REMEDIAL WORK TEMPORARILY ABANDON PULL OR ALTER CASING	PLUG AND ABANDON C	EMEDIAL WORK OMMERCE DRILLING OPNS. ASING TEST AND CEMENT JQB	ALTERING CASING PLUG AND ABANDONMENT
OTHER	perations (Clearly state all pertinent details	Acidised	g estimated date of starting any memory
7250' with 14,000# com 5-1/2" casing perforat 45 barrels of brine wa after 15 minutes 1900#	up and tubing. Ran Baker pression. Loaded tubing - ions 7295' to 7333' with 3 ter. Maximum pressure 260 . Swabbed and cleaned up. returned well to producti	casing annulus with ,000 gallons of 28% 1 Of, minimum 1500f, Al Pulled tubing and p	brine water. Treated & acid. Flushed with IR 5.25 bpm. ISIP 2100#.
18. I hereby certify that the information	above is true and complete to the best of n	ny knowledge and belief.	
ORIGINAL SIGN C. D. BORLA		Production Manager	DATE February 24, 1970

September 30, 1969

(Date)

	NO. OF COPIES REC	i							
	DISTRIBUTIO								
	SANTA FE								
	FILE								
	U.S.G.S.								
	LAND OFFICE								
	TRANSPORTER	OIL							
	TRANS. GRITER	GAS							
	OPERATOR								
I.	PRORATION OF	ICE							

.EW MEXICO OIL CONSERVATION COMMISSIC

Form C-104

}	FILE	REQUEST	FOR ALLOWABLE	٠.	Supersedes Effective 1-	Old C-104 and C-110
ŀ	U.S.G.S.	AUTHORIZATION TO TO	AND			
Ì	LAND OFFICE	AUTHORIZATION TO TRA	ANSPORT OIL AND		AS	
ŀ	OIL	1		4 00	i ′∂ÿ	
Į	TRANSPORTER GAS	1				
Ī	OPERATOR	1				
ı, İ	PRORATION OFFICE	7				
•	Operator					
-	Gulf Oil Corporation					
١	Box 670, Hobbs, New I	Mexico 88240				
ſ	Reason(s) for filing (Check proper box)	Other (Pleas	se explain)		
-	New We!!	Change in Transporter of:				
- 1	Recompletion	Oil Dry G	— !	med blugge	ed and abando	ned well
Į	Change in Ownership	Casinghead Gas Conde	nsate			
1	If change of ownership give name					
•	and address of previous owner					
n i	DESCRIPTION OF WELL AND	LEASE Loop 18- Man	tona R-3877			
1	Lease Name	Well No. Pool Name, Including F		Kind of Lease		Lease No.
	Harry Leonard (NCT-E)	5 - Wildest - Mont	cy &	State, Federal	or Fee State	27179
Ī	Location					
ĺ	Unit Letter H : 231	Feet From The Korth Lin	ne and	Feet From T	heRet	
- 1						
L	Line of Section 16 Tov	waship 21-5 Roange	37-E , NMP	M, Les		County
U. į		TER OF OIL AND NATURAL GA	Agdress (Give address	to subject annual		
	Name of Authorized Transporter of Oil	-	1717.			i
ŀ	Name of Authorized Transporter of Cas		Address (Give address	to which approx	nd, Thomas 79	(O)
ĺ			Nada con (Ospe dans	to witch approv	ea copy of this form i	10 de Seni/
- }		Unit Sec. Twp. Rge.	Is gas actually connec	ted? Whe	<u> </u>	
[If well produces oil or liquids, give location of tanks.	H 16 213 37-E	No.	1	••	İ
L						
	f this production is commingled with COMPLETION DATA	th that from any other lease or pool,	give commingling ord	er number:		
1		Oil Well Gas Well	New Well Workover	Deepen	Plug Back Same I	les'v. Diff. Res'v.
	Designate Type of Completic	on = (X)	7	1		
-	Date SEEDS No-entered	Date Compl. Ready to Prod.	Total Depth		P.B.T.D.	
- 1	9-1-69	9-11-69	82201		73751	1
	Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil		Tubing Depth	
l	3481' GL	Montoya	72951		73451	
	Perforations				Depth Casing Shoe	1
ļ	7295-97', 7317-19' & 7				79991	
-		TUBING, CASING, AN			r	
- 1	HOLESIZE	CASING & TUBING SIZE	DEPTH S	ET	SACKS C	
- }	17-1/4°	12-3/40	2581			Circulated)
ŀ	110	8-5/8**	27991		1100 sectos (Circulated)
}	7-7/8*	5-1/24	79991		131 motor (TOC at 5392
_		2-7/80	7345'		<u> </u>	
	TEST DATA AND REQUEST FO	able for this d	ifter recovery of total vol epth or be for full 24 hou	ume of load oll a re)	nd must be equal to	r exceed top allow-
Ī	Date First New Oil Run To Tanks	Date of Test	Producing Method (Flo		, etc.)	
ı	9-11-69	9-30-69	Penping			1
ŀ	Length of Test	Tubing Pressure	Casing Pressure		Choke Size	
-1	2h hours	***			46-	
ţ	Actual Prod, During Test	Oil-Bbls.	Water - Bbls.		Gas-MCF	
- 1	232	226	6			
•						
_	GAS WELL	,				
	Actual Prod. Test-MCF/D	Length of Test	Bbis. Condensate/MM	CF	Gravity of Condense	ite
ļ			1	<u> </u>		
J	Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shu	c-18 j	Choke Size	į
L		1	1		<u> </u>	
71 . •	CERTIFICATE OF COMPLIAN	CE	OIL	CONSERVA	TION COMMISS	ON
		A	APPROVED	ي ن		19
1	hereby certify that the rules and a	regulations of the Oil Conservation with and that the information given	7	///		
- 1	above is true and complete to the	best of my knowledge and belief.	BY		apres	
			// e-		151KI 📝	
	OBIONI	SIGNED BY	TITLE			
		Signed by Orland	This form is	o be filed in c	ompliance with Ru	LE 1104.
_	,				able for a newly dr	
	(Signa		well, this form mu tests taken on the			
٠.	Area Production Manager		H	f this form mus	t be filled out com	
	(14					

Fill out only Sections I. II. III. and VI for changes of owner, will 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.

		Form C-103
DISTRIBUTION	<u> </u>	Supersedes Old C-102 and C-103
ANTA FE	NEW MEXICO OIL CONSERVATION COMMISSION	Effective 1-1-65
ILE		
s.G.s.		5a. Indicate Type of Lease
AND OFFICE		State TT Fee
PERATOR		5. State Cil & Gas Lease No.
		27179
SUN (DO NOT USE THIS FORM FOR	IDRY NOTICES AND REPORTS ON WELLS PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. ICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
USE "APPLE	CATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)	7. Unit Agreement Name
OIL GAS WELL	OTHER-	7. Only Agreement Name
Name of Operator	OTHER-	9. Farm or Lease Name
Bulf Oil Corporation	•	
Address of Operator		Harry Leonard (NCT-E)
Box 670, Hebbs, New	Martan 88230	5
ocation of Well		10. Field and Pool, or Wildcat
_	4210 YL. 224	}
UNIT LETTER	2310 FEET FROM THE KAPTE LINE AND 330 FEET F	TOM ITTOOK
The ext	76 03 0 0m m	
THE BIST LINE, SE	ection 16 township 21-8 HANGE 37-8 HE	MPM. (
mmmm	15. Elevation (Show whether DF, RT, GR, etc.)	12, County
	31.81 CL	
	ck Appropriate Box To Indicate Nature of Notice, Report or	
NOTICE OF	FINTENTION TO: SUBSEQU	ENT REPORT OF:
r1		_
REFORM REMEDIAL WORK	PLUG AND ABANDON REMEDIAL WORK	ALTERING CASING
		r -
—	COMMENCE DRILLING OPNS.	PLUG AND ABANDONMENT
—	CHANGE PLANS CASING TEST AND CEMENT JOB	PLUG AND ABANDENMENT
=	[]	PLUG AND ABANDONMENT
=	CHANGE PLANS CASING TEST AND CEMENT JQB OTHER	
Describe Proposed or Completed work) SEE RULE 1103.	CHANGE PLANS CASING TEST AND CEMENT JQB OTHER Re-entered and complete of the complete of th	eted plugged and abandoned ding estimated date of starting any proper
other Describe Proposed or Complete work) SEE RULE 1103. 220' TD. 7375' PB. Gleaned out with mimtes, CK. Cleane 7317-19' and 7331-33 Rested sasing with 2 compression at 6693' Prested with 2000*.	CHANGE PLANS CASING TEST AND CEMENT JOB OTHER	eted plugged and abandone ding estimated date of starting any prompts one at 6200' with 1500f, 20 1/2" easing from 7295-97' ing and set packer at 7370' t 7313'. Set packer in
other	Re-entered and complete to the best of my knowledge and belief. CASING YEST AND CEMENT JOB CHANGE PLANS CASING YEST AND CEMENT JOB COTHER Re-entered and complete to the best of my knowledge and belief. CASING YEST AND CEMENT JOB Re-entered and complete to the best of my knowledge and belief.	eted plugged and abandone ding estimated date of starting any prompts one at 6200' with 1500f, 20 1/2" easing from 7295-97' ing and set packer at 7370' t 7313'. Set packer in
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OTHER Describe Proposed or Completer work) SEE RULE 1103. 220' TD. 7375' PB. Cleaned out with mimtes, CK. Cleane 7317-19' and 7331-33 Rested sasing with 2 compression at 6693' Prested with 2000'. Ean rods and pump an ORIGINAL SIG C. D. BORI	Re-entered and complete to the best of my knowledge and belief. CASING YEST AND CEMENT JOB Re-entered and complete to the best of my knowledge and belief. CASING YEST AND CEMENT JOB Re-entered and complete to the best of my knowledge and belief. CASING YEST AND CEMENT JOB Re-entered and complete to the best of my knowledge and belief. CASING YEST AND CEMENT JOB Re-entered and complete to the best of my knowledge and belief. CASING YEST AND CEMENT JOB Re-entered and complete to the best of my knowledge and belief. CASING YEST AND CEMENT JOB Re-entered and complete to the best of my knowledge and belief. CASING YEST AND CEMENT JOB Re-entered and complete to the best of my knowledge and belief.	eted plugged and abandone ding estimated date of starting any prompts one at 6200' with 1500f, 20 1/2" easing from 7295-97' ing and set packer at 7370' t 7313'. Set packer in

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S RECEIVED	NEW MEXICO	DIL CONSERVATION COM		Form C-103 Supersedes Old C-102 and C-103 Effective 1-1-65	
FICE		3EP 3 2		State Oll & Gas Lease No.	, 🗌
(DO NOT USE THIS FORM FOR PRO USE **APPLICATI	Y NOTICES AND REPOPULATION OF THE PERMIT - " FORM C-1	ORTS ON WELLS N OR PLUG BACK TO A DIFFEREN DI) FOR SUCH PROPOSALS.)	· · · · · · · · · · · · · · · · · · ·	27179 Unit Agreement Name	
of Operator Oll Corporation Jess of Operator	OTHER-			Farm or Lease Name Intry Leonard (NCT) Weil No.	-E)
670, Robbs, New Nex		Marth Line and 33	1	5. Field and Poci, or Wildcat	
THE EST LINE, SECTION		21-8 RANGE 1		z. County	
6. Check A		dicate Nature of Notice		Data	~~~~
PERFORM REMEDIAL WORK TEMPORARILY ABANDON PULL OR ALTER CASING OTHER	PLUG AND AB	COMMENCE DRILL	ING OPNS.	ALTERING CASING PLUG AND ABANDONME	T T T T T T T T T T T T T T T T T T T
Removed dry hole marker. Cleaned ont with reverse 1000%, 30 minutes, OK. milled easing stub from on 2 joints, 58' of 5-1, 1kg J-55 ST&C, 7k joints 1780 easing. Total of 1 with 28,000% tension. I Lended easing with 8,000 30 minutes. CK.	Abbett Brethers unit to 2k35'. Cleaned out to t 53k8' to 5351'. /2" 17# N-80 LTAC s, 2356' of J-55 66 jointe and 1 of Released tensian	Tested perferation of 5-1/2° casis of 5-1/2° casis Circulated and PC, 5 joints, 163° casis of the control of th	cace plug with 1 ms in 8-5/8" eng stub at 5348" Han 5-1/2" of 17 J-55 8740 and 1 cut join Latched ento entod caning with	rat hole machine. Ising at 2240' wit White down an assing pate 7, 73 joints, 2359 1t, 402' of J-55 1 1600#. 30 minute	ih id ih 5.5f
18. I hereby certify that the information	_	o the best of my knowledge a	nd belief.		
ORIGINAL SIG		TITLE Area Production	n Manager	September 8,	1969 54
APPROVED BY CONDITIONS OF APPROVAL, IF ANY		TITLE STATE		DATE	<u>. </u>

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DISTRIBUTION SANTA FE		MEXICO OIL CONSER	VATION COMMISSIO		D C ****	
JULIU I	AEW MEW	MENICO OIL CONSEK	YATION COMMISSIC		Form C-101 Revised 1-1-6	5
FILE		A. top		1	SA. Indicate	Type of Lease
U.S.G.S.	- -	FUG 27 4 20 M	i '69	Ì	STATE	FEE 🗌
LAND OFFICE			' 03		5. State Oil	& Gas Lease No.
OPERATOR					2717	79
	ON FOR PERMIT TO	DRILL, DEEPEN, C	R PLUG BACK			
la. Type of Work	Re-enter P & A	well			7. Unit Agre	ement Name
DRILL	7	DEEPEN	PLUG	BACK		
b. Type of Well	- ¬		INGLE MI	ILTIPLE [8. Form or L	
OIL CAS WELL 2. Name of Operator	OTHER		ZONE	ZONE	9. Well No.	onard (NCT-1
Gulf Oil Gerpore	td am				9. WELL NO:	
3. Address of Operator	670U				10. Pleid an	d Poel, or Wildcat
	Kana Wanad an 8991-6	•				1 1 1 1 1 1 1
Best 670, Hobbs, 4. Location of Well			Mandh		Transfer of	THE PERSON NAMED IN
UNIT LET	TERLO	FE	ET FROM THE HOC'S	LINE		
AND 330 FEET FRO	M THE East Lin	HE OF SEC. 16 TW	P. 21-8 RGE. 37	-E HMPM		
illininininini				HIIII	12. County	THIII
					Lea	
Hilliminin in the contraction of	Hillillilli			HHH	IIIIII.	
Hillillillilli		111111111111111111111111111111111111111	, Proposed Depth	19A. Formation	1	20. Rotory or C.T.
			7450	Montoy		Reverse Unit
21. Elevations (Show whether D			B. Drilling Contractor		22. Approx	. Date Work will star
3481' GL	Bank	of			Septem	her 1, 1969
23.	1	PROPOSED CASING AND	CEMENT PROGRAM			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPT	A SACKS UP	CEMENT	EST. TOP
17-1/4"	12-3/4	50#	268 t		ke (Circ	
11.8	8-5/8=	325				
	7 41 7		27991	11100 🛥	ieks (Cf)	
7-7/84	5-1/20	15.5 & 20#	79991 #			sulated)
7-7/8° * 5-1/2° eas	ing set at 7999'	15.5 & 20f	7999' # ered from 534	131 480	iks (TGG	eviated) at 53921).
7-7/8° + 5-1/2° eas	to re-enter well 00' to 2250' will 00', 30 minutes. ng stub at 5342' 5-1/2" 15.2# J- 4-1/2" bit and s at 6200' with perforations at 10' to 7350' with	15.5 & 20f , out and recov has follows: B th 7-7/8° bit wi . Brill plugs a sand dress off .55 easing. Lat drill out retai 1000f, 30 minut 75001 with 1000	7999' # ered from 5344 rilk surface th reverse unit 2750' to 26; top of stub wi ch on 5-1/2" ner at 6150' es. Brill ref	list end it. Test 50' and 5: th intermeding stand comen tainer at Perfora	rat hell 8-5/8" 100' to hal mill ab. Tes below: 7350' a 160/AT1//	e maching. perforations \$200'. Wash Run Bewen t with 1000', retainer. nd clean out \$75,000 gallen
7-7/8" # 5-1/2" eas It is proposed Drill plug at 22 at 22k0' with 10 ever 5-1/2" easi easing patch and 30 minutes. Run Test perforation to 7k50'. Test approximately 73	to re-enter well 00' to 2250' will 00', 30 minutes. ng stub at 5342' 5-1/2" 15.2# J- 4-1/2" bit and s at 6200' with perforations at 10' to 7350' with	15.5 & 20f , out and recov has follows: B th 7-7/8° bit wi . Brill plugs a sand dress off .55 easing. Lat drill out retai 1000f, 30 minut 75001 with 1000	7999' # ered from 5344 rilk surface th reverse unit 2750' to 26; top of stub wi ch on 5-1/2" ner at 6150' es. Brill ref	plug with it. Test to and 5: the intermediate at the performance at th	ret held 8-5/8* 100' to hal mill ab. Tes below: 7350' a 160/571/	e maching. perforations \$200'. Weak Run Bewen t with 1000f, retainer. nd clean out \$7500 gallons ENCED.
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7-7/8" # 5-1/2" cas It is proposed Drill plug at 22 at 22k0' with 10 ever 5-1/2" casi casing patch and 30 minutes. Run Test perforation to 7k50'. Test approximately 73 ef 15% NE acid.	ing set at 7999' to re-enter well 00' to 2250' wit 00%, 30 minutes. ng stub at 5342' 5-1/2" bit and is at 6200' with perforations at 10' to 7350' wit Swab and tost.	15.5 & 20f , out and recov less follows: D th 7-7/8° bit wi Drill plugs a land dress off 55 easing. Lat drill out retai 1000f, 30 minut 7800' with 1000 th 2, 1/2° JHPF.	7999' # ered from 5344 rila surface th reverse uni t 2750' to 26; top of stub wi ch on 5-1/2" ner at 6150' o es. Drill re f, 30 minutes. Acidise new	plug with it. Test to and 5: the intermediate at the performan at the perf	rat hold 8-5/8" 100' to hal mill abo Test below: 7350' a 160 511/	e maching. perforations \$200'. Weak Run Bowen t with 1000f, retainer. nd clean out \$75.00 gallen ENCED.
7-7/8" # 5-1/2" cas It is proposed Drill plug at 22 at 22k0' with 10 ever 5-1/2" casi casing patch and 30 minutes. Run Test perforation to 7k50'. Test approximately 73 of 15% NE acid.	ing set at 7999' to re-enter well 00' to 2250' wit 006, 30 minutes. ng stub at 53k2' 5-1/2" 15.56 J. k-1/2" bit and as at 6200' with perforations at 10' to 7350' wit Swab and tost.	15.5 & 20f , out and recov less follows: B th 7-7/8" bit wi Brill plugs a leand dress off 55 easing. Lat drill out retai 1000f, 30 minut 7800' with 1000 th 2, 1/2" JHPF.	7999 * ered from 5344 rila surface th reverse uni t 2750' to 28; top of stub wi ch em 5-1/29 es. Brill re f, 30 minutes. Acidise now	plug with it. Test to and 5: the intermediate at the performan at the perf	rat hold 8-5/8" 100' to hal mill abo Test below: 7350' a 160 511/	e maching. perforations \$200'. Weak Run Bowen t with 1000f, retainer. nd clean out \$75.00 gallen ENCED.
7-7/8" # 5-1/2" cas It is proposed Prill plug at 22 at 22½0' with 10 over 5-1/2" easi easing patch and 30 minutes. Run Test perforation to 7½50'. Test approximately 73 ef 15% NB acid. NABOVE SPACE DESCRIBE INTERPRETATION THE TOP OF THE PROPOSED PROPOS	ing set at 7999' to re-enter well 00' to 2250' wit 000', 30 minutes. ng stub at 5342' 5-1/2" 15.5" J. 4-1/2" bit and as at 6200' with perforations at 10' to 7350' wit Swab and tost. PROPOSED PROGRAM: IF HTER PROGRAM, IF ANY. withous above is true and con-	15.5 & 20f , out and recov less follows: B th 7-7/8" bit wi Brill plugs a leand dress off 55 easing. Lat drill out retai 1000f, 30 minut 7800' with 1000 th 2, 1/2" JHPF.	7999 * ered from 5344 rila surface th reverse uni t 2750' to 28; top of stub wi ch em 5-1/29 es. Brill re f, 30 minutes. Acidise now	plug with it. Test to and 5: the intermediate at the performan at the perf	rat hold 8-5/8" 100' to hal mill abo Test below: 7350' a 160 511/	e maching. perforations \$200'. Weak Run Bowen t with 1000f, retainer. nd clean out \$75.00 gallen ENCED.
7-7/8" # 5-1/2" cas It is proposed Irill plug at 22 at 22h0' with 10 over 5-1/2" easi easing patch and 30 minutes. Run Test perforation to 7h50'. Test approximately 73 ef 15% NE acid. NABOVE SPACE DESCRIBE IVE 20HE. GIVE SLOWOUT PREVE hereby certify that the informa ORIGINAL:	ing set at 7999' to re-enter well 00' to 2250' wit 006, 30 minutes, ng stub at 5342' 5-1/2" 15.56 J. 4-1/2" bit and as at 6200' with perforations at 10' to 7350' wit Suab and tost. PROPOSED PROGRAM: IF HTER PROGRAM, IF ANY. without above is true and come SIGNED BY	15.5 & 20f , out and recov less follows: B th 7-7/8" bit wi Brill plugs a leand dress off 55 easing. Lat drill out retai 1000f, 30 minut 7800' with 1000 th 2, 1/2" JHPF.	7999 4 ered from 53hi rila surface th reverse uni t 2750' to 26; top of stub wi ch on 5-1/20 es. Brill re f, 30 minutes. Addise now Pluc BACK, cive DATA owledge and belief.	perferance on present pro-	ret hell 8-5/8° 100' to hal mill ab. Tes t below: 7350' a 160/471/ 160/471/	e maching. perforations \$200'. Wash Run Bewen t with 1000', retainer. nd clean out \$7500 gallene (ENCED, -69
7-7/8" # 5-1/2" cas It is proposed Prill plug at 22 at 22½0' with 10 over 5-1/2" casi easing patch and 30 minutes. Run Test perforation to 7½50'. Test approximately 73 of 15% NE acid. NABOVE SPACE DESCRIBE IVE ZONE. GIVE SLOWOUT PREVE hereby certify that the informa ORIGINAL:	ing set at 7999' to re-enter well 60' to 2250' wit 00%, 30 minutes. ng stub at 5342' 5-1/2" 15.5% J- 4-1/2" bit and is at 6200' with perforations at 10' to 7350' wit Swab and tost. PROPOSED PROGRAM: IF HTER PROGRAM, IF ANV. THOM above is true and come SIGNED BY ORLAND	15.5 & 20f , cut and recov l as fellows: D th 7-7/8° bit wi Drill plugs a and dress off 55 easing. Lat drill cut retai 1000f, 30 minut 7100' with 1000 th 2, 1/2° JHFF.	7999 4 ered from 53hi rila surface th reverse uni t 2750' to 26; top of stub wi ch on 5-1/20 es. Brill re f, 30 minutes. Addise now Pluc BACK, cive DATA owledge and belief.	perferance on present pro-	ret hell 8-5/8° 100' to hal mill ab. Tes t below: 7350' a 160/471/ 160/471/	e maching. perforations \$200'. Weak Run Bowen t with 1000f, retainer. nd clean out \$75.00 gallen ENCED.

N' 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 Setting Operator Galf Oil Corporation Harry Leonard (NCT-E) Unit Letter Section Township County 16 21-8 37-B Les Actual Footage Location of Well: 2310 North feet from the line and feet from the line Ground Level Elev: Producing Formation Dedicated Acreage: 3481' Montoya Undesignated Montoya Acres 1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 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 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 Commis-CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. ORIGINAL SIGNED BY C. E. MACE <u> Area Petroleum Engine</u> Galf Oil Corporation 0 August 26, 1969 I hereby certify that the well location shown on this plat was plotted from field nates 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. 660 1320-1650 1980. 2310 2000

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.

result of well repair, and other impoinstructions in the Rules and Regula	tions of the				ommission. See addi	itional
REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON RESUL	LT OF TEST	REPORT ON REPAIRING WE	LL	
REPORT ON RESULT OF PLUGGING WELL	x	REPORT ON RECO	MPLETION	REPORT ON (Other)		
		Januar (Date)	12, 1953	Ho bbs	New Mexico	
Following is a report on the w			•	ted above at the		
Gulf Oil Corporation (Company or	Operator)		Harry	(Lease)		· · · · · · · · · · · · · · · · · · ·
Price Drilling Compa	ВУ			in the SE 1/4	IS 1/4 of Sec. 1	6
T 21-S , R 37-E , NMPM.,		LT9	Pool,	Lea	C	County.
The Dates of this work were as folows	. Des	ambar 29, 1952	- January 6.	1953		
Notice of intention to do the work (vand approval of the proposed plan (vand approval of the proposed	was) Incom		DONE AND BESUL		,	<i>9</i> ,
Witnessed by)	Gulf Oil	Corporation (Company)		g Foreman	•••
Approved: OIL CONSERVATIO	N COMMIS	ssion/	I hereby certify that to the best of my ki	the information given	above is true and con	mplete
100 yerbr	oll	N	Name	as Joy	TY	
() (Naz	ne)		Position	rea Pred. Supt		
(Title)	***************	· · · · · · · · · · · · · · · · · · ·		kulf Oil Corpor		*******

Displaced oil in 51" casing and 2-3/8" tubing w/160 bbls water. Pulled 2-3/8" tubing, mixed 360 bbls 45 viscosity and. Ran HOWOO 52" DM coment retainer on tubing. Set retainer at 7700', mixed and pumped 250 sacks regular Neat Trinity coment thru tubing, pumped 10 bbls water ahead of sument. Formation broke down w/2800/ pressure, back to 2200#. Squeezed 130 sacks below retainer w/3000# maximum pressure. Picked up tubing 21 above retainer and back washed 118 sacks cement. Mixed 800 bbls 12# 55 viscosity mad, tested perforation gun lubricator w/2000# pressure, OK. Perforated 52" casing at 7400' w/6, 3/8" jet heles by Welex, Killed well w/770 bbls mid, pumped thru perforations at 7400' w/2 HOWGO pump trucks. Ran HOWCO 52" DN squeeze coment retainer on tubing. Set retainer at 7350' and cemented thru tubing and perforations in 53" casing at 7400' w/355 sacks Trinity Regular Meat cement. Maximum pressure 1100#. Drop bar and closed valve in retainer CK. 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 coment behind 51 casing at 5392', WOC 36 hours. Perforated 52" casing at 6200' w/4, 3/8" jet holes by Welex. Ran HOWCO 52" 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 coment, staged 279 sacks into formation thru perforations in 52" sasing 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 52" casing at 5342' w/McOullough jet cutter, pulled 5%" casing, recovered 164 joints 5334'. Plug in hole. Heavy mid 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 mid from 2750' to 2250', 18 sacks cement plug from 2250' to 2200'. Heavy mid from 2200' to 50', 18 sacks cement plug from 50' to surface. Installed A" pipe marker extending 4' above surface.

MISCELLANEOUS NOTICES

Submit this notice in TRIPLICATE to the District Office, Oil Conservation Commission, before the work specified is to bright 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 FileEntained. See additional instructions in the Rules and Regulations of the Commission.

		Indicate Nature of No	tice by Checking Bel	low	
Notice of Intention to Change Plans		Notice of Intention : Temporarily Abandon		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 COM SANTA FE, NEW MEXICO	IMISSION	Habbe, He	nr Mextino lace)	December 23, 19	52
Gentlemen:	ntention to do	aantain waab oo daacsiba	d halow at the	Harry Leonard "E"	·
•					•
(Comp	pany or Operator)			Well No5	n (Unit)
(40-acre Subdivision)	Sec	, T 21-9 , F	37-В, NМРМ.	, Haro	Pool
Lea	Coun	nty.			
and out 5½" o to 61.25'. Spo 2750' - Spot	esing at 7 t 190° plu soment plu	/4001 - Pall 5½" ng from 52001 to	easing — Spet 5100' — Spet Mary and i	timer. Bun easing km t coment plug from 6 t 160° plug from 285 intervals between ea rface,	6001 01 to
Approved Except as follows:		, 19	By Arga J	Company or Operator Company or Operator Production Supt.	
Approved OIL CONSERVATION COM	MASSION	el h	Send	Communications regarding we	ll to:
The state of the s	a		NameGmlf		
Title	s. Cos instr	Acres	AddressBerr. 2	167, Hobbs, Nov. Hext	60

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 011 Corp	oration	Lease Harry Leonard	nBu
Address Box 3167, Hobbs, New Me	xice Box	: 1290, Fort Worth, Texas	1
Unit			
County. Lea	. Kind of Lease: Stat	•	-
If Oil well Location of Tanks. On Leas	•		······································
Authorized Transporter	Petroleum Company	Α	ddress of Transporter
Midland, Local or Field Office)		Ilas Texas (Principal Place of Busin	ess)
Per cent of Oil or Natural Gas to be Transpo	rted 100 Other	Transporters authorized to transpo	ort Oil or Natural Gas
from this unit arenone			
			%
REASON FOR FILING: (Please check pro			
NEW WELL	CHAI	NGE IN OWNERSHIP	
CHANGE IN TRANSPORTER	OTH	ER (Explain under Remarks)	
REMARKS:			
The undersigned certifies that the Rule	es and Regulations of the	Oil Conservation Commission hav	e been complied with.
Executed this the	day of	T	, ¹⁹ 52
		Gulf Oil Corporation	
Approved	,	ph 1 .	
OIL CONSERVATION COMMI	SSION By	ovan says	3V
y U.S. Janes	Title.	Area Prod. Supt.	
the (Transleam / hy		/	
\mathcal{O}	(See Instructions on Rever	rse Side)	•

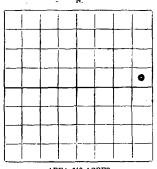
DRILL STEM TESTS

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 - 12 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#.



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 ACRI TE WELL CORI	RECTLY						
Gul	f Oil Cor	peration company or Opera	tor)	······		Harry Leons (Lease)	ard "E"	*************
/eli No	5	, in		of Sec	5 т. 2	1-8	R 37-E	NM
	Hare	••••••		Pool,	Les			
/ell is 2	310	feet from	North	line and	330	feet from	East	
Section	6-21 <i>e-</i> 37e	If Sta	ate Land the Oil and	Gas Lease No.	is 27]	79		
orilling Con	nmencedJu	ne 22, 19	52 , 19	Drilling	was Completed	Qetober 2	, 1952	19
ame of Dr	illing Contract	or Fran	Orilling Compa	DY				
ddress	Box 1206	, Odenna,	Tenns		•••••		····	
		Top of Tubing	Head , 19		The inf	ormation given is	s to be kept co	onfidential u
			on.	SANDS OR Z	ONES			
lo. 1, from.	78551	to	80351	No. 4	, from		.to	
lo. 2, from.		to		No. 5	from		.to	
lo. 3, from.	•	to		No. 6	from		.to	
			IMPORT	ANT WATER	SANDS			
nclude data	on rate of wa	nter inflow and	elevation to which wa	ater rose in hol	:.			
lo. 1, from.			to			fcet,		
lo. 2, from.			to			feet		
So. 3, from.			to			feet		·
No. 4, from.		••••••	to			fcet		
		•	CA	ASING RECO	BD			
BIZE	WEIGH PER FO	T NEW O	OR AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIO	NS P	URPOSE
12-3/4	50#	New	251.		ļ			
8-5/81 5-1/21		New New			 	79291 - 7	9651 Dane	
			7,765			(323 /	23.	ustion
			MUDDING A	ND CEMENT	ING BECORD			
BIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACES OF CEMENT	METHOD USED		MUD PRAVITY	AMOU MUD	NT OF USED
17-1/4" 11 #	12-3/4" 8-5/8"	2681	325 1000	HOWCO				
7-7/6"	53.	79991	131	HOWCO				
	1 1	!	RECORD OF PR	ODUCTION A	AND STEMULA	rion	· 	
		(Record th	e Process used, No.	of Qts. or Gal	s. used, interval	treated or shot.))	
•••••	***************************************				••••••••		·····	
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	••••••			K-601-B			····	
		-<	······································					
tesult of Pro	oduction Stimu	lation		ONE				
	·····							
						Depth Cleane	ed 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

Data to-	.1		01	fcct to 82201	f	PBTD	79301	•	
				feet to					
04510 1001							*************		
				PRODU					
Put to Pro	oducing	Octobe	r 27, 1952	2 , 19					
OIL WEI	LL: The	productio	n during the fir	st 24 hours was Pumped	19	bar	rels of liq	uid of which 100	% was
	was	oil:	0	was emulsion;Q		% water	: and	0 % was	sediment API
							,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	11.272
	Gra	wity	***************************************	***************************************					
GAS WE	LL: The	productio	n during the firs	st 24 hours was	1	M.C.F. pl	15		barrels of
	liqu	id Hydroca	arbon. Shut in F	ressurelbs.					
Length o	f Time Sh	nut in							
				ATION TOPS (IN CON		(18) SEIVAN	CEOCI	ADVIVAT CYNOSIA	OT 074 TO
Plaka	ASE IND	MUATE B		ATION TOPS (IN CON New Mexico	FURMAN	CE WILE	I GEOGE	Northwestern New	•
T. Anhv							Т.	Ojo Alamo	
•								Kirtland-Fruitland	
B. Salt				•				Farmington	
T. Yates	l 		670!	•				Pictured Cliffs	
								Menefee	
-								Point Lookout	
•	-							Mancos Dakota	
			190!					Morrison	
					-			Penn	
T. Tubb	3		175!	т			т.	***************************************	
T. Abo								***************************************	

1. Miss.	***************			FORMATIO			т.		
		kra:			11 11200	1	Thicknes	<u></u>	
From	То	Thickness in Feet		Formation	From	То	in Feet		on
01	901		Surface S	and & Caliche		DE	VIATIO	us - totco surv	ets
	105	1	Rock		1	_			
	185	1	Red Bed	Dad Dask		DEPTH		DEG. OFF	
	1275 1375		Red Bed &	k Anhydrite	1	2001		3/4	
	1555		Salt		1	1050	1	1/2	
	2250	1	Salt & An	hydrite		1326	ļ	3/4	
	3028		Anhydrite	_		1800	ļ	1/4	
	3330			& Limo		2050		1/2	
	7368		Line			2325	1	1	
	7404 7425		Lime & Ch	ere		2600 3680		1-1/2	
	7479		Lime & Ch	erek.		3980		1	
	7724	1	Line	•••		4300	}	i	
	7950		Limo & Sh	ale		4600		3/4	
	7999		Shale & S	and		5000		3/4	
	8072		Shale	_		5550		1	-
	8085		Shale & S	end		5850		1/2	
	8116		Shale & L	i ma		6500		1/2 3/4	
	8764		Shale		ļ	6950		1/2	
	83.08		Shale & L	ime		7475		1-1/2	
	8220		Shale Lime & Sh	ala		7790		1-3/4	
	7030			ACK TOTAL DEPTH			1		

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.

Company or Operator. Gulf Oil Corporation Address. Bax 2167, Hobba, New Haxiso

Name Sign South Supt.

Position or Title Area Prod. Supt.

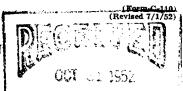
CO OIL CONSERVATION COM Santa Fe, New Mexico

REQUEST FOR (OIL) - (GAS) ALLOW

OCT 31 195 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 Frith 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 (Place)	Octob	er 31, 1952 (Date)
E ARE HE	EREBY RE	QUESTIN	NG AN ALLOWABLE FO	R A WELL KNOWN A	S:	
Gulf Oil	Corpora	tion	Harry Leonard *E"	, Well No5	, in SE	1/4 NE 1/4
(Com	pany or Oper	rator)	(Lease)			•
(Unit)	, Sec	16	, T. 21-5 , R 37-E	, NMPM., Hare -	Undesignated	Poo
, ,	Lea		County. Date Spudded	6-22-52 Date	e Completed 10-2	7-52
	indicate lo		,	, – , – , – , – , – , – , – , – , – , –	o completeds.	•••••
			Elevation3493!		220! , P.B	79301
			Top oil/gas pay	7 865! Top o	f Prod. Form7	8551
		. •	Casing Perforations:	78651 - 79201		0
			Depth to Casing shoe	of Prod. String	791	
			Natural Prod. Test	Pumped 19 bbls oil	in 24 hours.	BOPD
			based on	bbls. Oil in	Hrs	Mins
	•••••	••••••	Test after acid or shot			BOPE
Casing an	nd Comentin Feet	Sax	Based on	bbls. Oil in	Hrs	Mins
12-3/4	251	325	Gas Well Potential			•••••
			Size choke in inches			
8-5/8"	27861	708	Date first oil run to ta	nks or gas to Transmission	n system · October	27. 1952
5-1/2"	79881	131	•	l or Gas: Magnolia I		
emarks:R	equestt	hat this	well be placed in i		-	-
O	stober 2	7, 1952.	This drilling unit	contains 40 acres		••••••
I hereby	certify that	t the infor	mation given above is true	and complete to the best of	of my knowledge.	••
pproved	act	81 1000	, 19	Colf (N)		•••••••••
				(Con	npany or Operator)	
OIL	CONSERV	VATION	COMMISSION	By: Whas of	aro	
	W~1	12	Ľ.		(Synature)	
/: <i>\</i>	1:17		gin	Title Area Prod	Supt.	11 .
itle	Eng	ineer Di	SIPICE I	Send Commun	nications regarding v	vell to:
			•	NameGulf.Oil.	Corporation	-
				Address Box 2167,	Hobbs, New Ma	zd.co



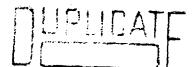
It is necessary that Form C-104 be approved before this form can be approved an an initial allowable be well. Submit this form in QUADRUPLICATE.

ssigned to any completed Oil or Gas

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Company	or Operator.	Gulf Oil	Corporation			LeaseH	arry Leoner	d mgm
Address	Bex 21.67	Hobba No	se Mexico		Fort	Worth, T	oras incipal Place of Bus	iness)
Unit	H , Well	8) No	5 Sec	16	т. 21-5	., R. 37-E	, Pool Hare.	- Undesignated
County	Lea		Kind of L	casc:	*******	State		
If Oil well	l Location of	Tanks	Ora .	leaso.	••••••	***************************************	·····	
Authorize	d Transporte	er Magnal.	La Pipo Line C	ombeni	<u>.</u>			Address of Transporter
ML.	dland, Te	(Local or Field O	······································	······	Dal	las, Texa	A	siness)
								port Oil or Natural Gas
from this	unit are			None.		••••	· 	
								%
REASON			heck proper box)					,-
				🖃	CHANGE	E IN OWNE	RSHIP	
REMARI						(
	Reque	st that thi	is well be pla	ced in	the Pro	ration Se	hedule effe	ective
	Octob	er 27, 195	2.		i,			
			•					
The	undersigned	certifies that	the Rules and Reg	ulations	of the Oil	Conservation	Commission ha	ave been complied with.
Exec	uted this the	31.st	day of		Octobe	er., 1952	•••••	19
		(3.0)			•••••	Gulf of	l Corporati	on
Approved	L	411-	, 19	9		01	. —	1
(OIL CONSI	ERVATION O	COMMISSION		Ву	sha	Slage	
Ву	K.X	1. (13	lynn		Title	Area Pr	ed. Supt.	
Title		Engine	Harris V					

(See Instructions on Reverse Side)

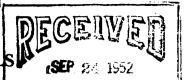


RECEIVED SEP 24 1952

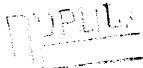
MISCELLANEOUS REPORTS ON WELL

Submit this report in TRIPLICATE to the District Office, Oil Conservation Commission, within 10 days the little of the District Office, Oil Conservation Commission, within 10 days the little of the

pleted. It should be signed and filed as a result of well repair, and other importar instructions in the Rules and Regulations	it operations, even though the	perations, Results of t work was witnessed	est of casing shut-off result of plu by an agent of the commission.	gging of well
	Indicate Nature of Rep	ort by Checking Belo	W .	
REPORT ON BEGINNING DRILLING OPERATIONS	REPORT ON RESULT OF CASING SHUT-		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF PLUGGING WELL	REPORT ON RECO	MPLETION	REPORT ON (Other)	
	Septem (Date)	ber 22, 1952	Hobbs, New (Pla	
Following is a report on the work	done and the results obtained	under the heading no	ted above at the	
Gulf Oil Corporation (Company or Open	ator)	Hai	ry Leonard "E"	••••••
Fran Drilling Company (Contractor)		Well No	in the \$1 1/4 of	Sec. 16
T. 21-S, R. 37-E., NMPM., H	ere Undesignated	Pool,	Les	County,
The Dates of this work were as folows:	September 14-17,	1952	***************************************	***************************************
Notice of intention to do the work	(was not) submitted on Form	C-102 on	Construction of the constr	, 19,
and approval of the proposed plan		•	Cross out incorrect words)	
DETAII	ED ACCOUNT OF WORK	DONE AND RESUL	TS OBTAINED	
7923'. Haximum 7540'.	v/131 sacks Porti pressure 1200#. Temp	and Trinity be erature survey	found top of coment	
	ver 30 hours drilled ng w/ll00# pressure		rom 7923' to 7930'. There was no drop	
After approval of were made to con		ate Oil and Ga	as Inspector, preparat	ions
Witnessed by	Gulf Oil O	rporation	Drilling Forem	a n
(Name)		(Company)	(Title)	
Approved: OIL CONSERVATION C	OMMISSION	I hereby certify that to the best of my kr	the information given above is true	c and complete
14 HUMERSU	yh -	Name	Car Jung 5	
	/ PEP 24 1952		esa Pred. Supt.	
One Inspector	6 180		ulf Oil Corporation	
(Title)	(Date)	Address	x 2167, Hobbs, New Me	A.1.99



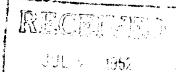
MISC	ELLANEOUS REPORTS	ON WELLS IN SEP 26	1952
Submit this report in TRIPLICATE to pleted. It should be signed and filed as a represult of well repair, and other important constructions in the Rules and Regulations of	the District Office, Oil Conservation Com- bort on Beginning Drilling Operations, Resu operations, even though the work was with	mission, within 10 days after the work sp alts of test of casing the translation of plu	ecifica is vicini
	Indicate Nature of Report by Checki	ng 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) PERFCRATING	XX.
	September 22, 19	52 Hobbs, New M	exico
Following is a report on the work do	ne and the results obtained under the hea	ding noted above at the	
Calf Oil Corporation	igor)	arry Leonard "E"	
	or) , Well No	•	Sec. 16
T. 21-S., R. 37-E, NMPM., Har	e Undesignated Pool	i,Les	County.
The Dates of this work were as follows:	September 17, 1952		***************************************
Notice of intention to do the work	was not) submitted on Form C-102 on		
and approval of the proposed plan (1986)		(Cross out incorrect words)	•
	D ACCOUNT OF WORK DONE AND	Desiti as uparele	
2/21/12/12	B ROOTEN OF WOME BONG AND	MANUEL GELARGE	
Perforated	5}" casing from 7920' to 78	65° with 4, ½° jet holes	
per foet by	-		
ber year of			
Witnessed by	Gulf Oil Corporation	m Drilling Parama	3
(Name)	(Company)	(Title)	
Approved: OIL CONSERVATION COL		tify that the information given above is tru of my knowledge.	c and complete
11011 yururall	Mame Name	Mas Juy =	
(Name)	J 6EP 24 1952 outton	Area Prod. Supt.	·
Gas Inspector	Representin		••••••
(Title)	(Date) Address	Bax 2167, Hobbs, New Max	L 60



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, enthe 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

Gentlemen:			(Date)	
OIL CONSERVATION COMMIS SANTA FE, NEW MEXICO	SSION Hobbs New Ma	xico	July 2, 1952	
Notice of Intention to Gun Perforate	Test Casing Shut-off Notice of Intention (Other)	8-5/8	Notice of Intention (Other)	
Notice of Intention to Squeeze	Notice of Intention to Acidize		Notice of Intention to Shoot (Nitro)	
Notice of Intention to Plug Well	Notice of Intention to Plug Back		Notice of Intention to Set Liner	
Notice of Intention to Change Plans	Notice of Intention to Temporarily Abandon Well		Notice of Intention to Drill Deeper	

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

SEE ATTACHED SHEET

Approved 19 19	Gulf Oil Corporation
Except as follows:	By CO Janaa
Approved OIL CONSERVATION COMMISSION	Position
By Roy yackrough	Name Gulf Oil Corporation
Title	Address Box 2167, Hobbs, New Mexico

Harry Leonard "B" #5

full Cuncting was refer

On June 28, 1952 ran 87 joints and 1 piece 2785.94° of 8-5/8" OD 32# J-55 8 Rnd Tad. SS easing w/ST&C. Comeron float shoe on bottom and Cameron float collar at 2719'. Three Weathorferd centralixers 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 comput 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 comment at 2290' outside 8-5/8" casing. Completed 5:00 PM 6-29-52. Spotted 35 sacks regular coment 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. Ban HOWCO D.M. cement retainer on 2-3/8" tubing. set at 2180%. Recommended 8-5/8" casing thru perforations at 2240% w/900 sacks DT 6% gel coment and 100 sacks Neat on bottom. Displaced tubing w/8 bbls water. Maximum pressure 800#. Circulated 1.40 sacks cement. Job completed at 4:30 PM July 1, 1952.

Drilled HOWCO B.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 4½" DP. Ran HOWCO retractable retainer on 4½" DP and set ay 2250'. Tested casing below perforations at 2240' w/2000# OK. Set same at 2230'. Pumped thru perforations at 1600#. Pumped 10 bhls water 2 bbls Permin w/2000# pressure. Ran Baker modle 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 \$100 PM 3 July 52.

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

NEW MEXICO OIL CONSERVATION LOMMISSION

<u> </u>			
MISCELLANEOUS	REPORTS	ON	WELLS

Submit this report in triplicate to the Oil Conservation Commission District Office within ten delicated by the prelified

is completed. It should be signed and filed as a report of casing shut off, result of plugging of well, and other agent of the Commission. See additional instructions	on beginning drilling operations, results of shooting melt sentite of test reportant operations, even though the work was witnessed by in in the Rules and Regulations of the Commission.
Indicate nature	e 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	REPORT ON DEEPENING WELL
REPORT ON RESULT OF PLUGGING OF WELL	
·	June 26, 1952 Hebbs, New Mexico
Following is a report on the work done and the results of	btained under the heading noted above at the
Gulf Oil Corporation Harry	Leonerd WEW
SE NE of Sec. 16	T_21-S, R37-E, N. M. P. M.,
Hare - UndesignatedPool	Les County.
The dates of this work were as follows:	24, 1952
and approval of the proposed plan was (************************************	ed. (Cross out incorrect words.) VORK DONE AND RESULTS OBTAINED
pressure for 30 minutes. To	hours tested 12-3/4" casing w/1000# here was no drop in pressure. Drilled d cement w/400# pressure for 30 minutes. ure. Job complete 4:30 PM 6-24-52.
After approval of Mr. preparations were made to	Yarbrough, State Oil and Gas Inspector, drill ahead.
Witnessed by W. G. Cagle Name	oil Corporation Drilling Foreman Title

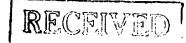
Witnessed by W. C. Cagle Name	Gulf Oil Corporation Company	Drilling Foremen
APPROVED: OIL CONSERVATION COMMISSION	I hereby swear or affir is true and correct.	m that the information given above
napactor (PositionAsst a Are	a Pred. Supt.
U V	Representing	Oil Corporation
Topico .	Address Box 2167.	Hobbs, New Mexico

MISCELLANEOUS REPORTS ON WELL	Million 10
Submit this report in TRIPLICATE to the District Office, Oil Conservation Commission, within 10 sletted. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing result of well repair, and other important operations, even though the work was witnessed by an agent	OL CONSTRUCTION S

REPORT ON BEGINNING DRILLING OPERATIONS	REPORT ON RESULT OF TEST OF CASING SHUT-OFF		
REPORT ON RESULT OF PLUGGING WELL	REPORT ON RECOMPLETION OPERATION	REPORT ON (Other)	
	July 7, 1952	Hobbs, New Maxieo (Place)	••••
	done and the results obtained under the he	-	
(Company or Oper	ator)	(Lease)	
Fran Drilling Company (Contractor)	, Well No	in the SE 1/4 ME 1/4 of Sec.	16
r. 21-S ., r. 37-B ., nmpm., Har	o - Underignated Poo	ı, Lea	County
The Dates of this work were as follows:	July 5, 1952		
Notice of intention to do the work (was)	Mar 2008 submitted on Form C-102 on	July 2, 1952	10
and approval of the proposed plan (was)		July 2, 1952 (Cross out incorrect words)	, 1
ind approval of the proposed plan (was)	and the obtained.		
DETAIL	ED ACCOUNT OF WORK DONE AND	RESULTS OBTAINED	
	ED ACCOUNT OF WORK DONE AND		
After waitin	g over 30 hours tested perfo here was no drop in pressur	prations w/1500# pressure	
After waitin for 30 minutes. T 3:00 PM July 5, 1	g over 30 hours tested perfo here was no drop in pressur	prations w/1500# pressure . Drilled cement and plug	
After waitin for 30 minutes. T 3:00 PM July 5, 1 After approv	g over 30 hours tested performers was no drop in pressure 952.	prations w/1500# pressure . Drilled cement and plug	
After waitin for 30 minutes. T 3:00 PM July 5, 1 After approv	ng over 30 hours tested performers was no drop in pressure 952.	prations w/1500# pressure . Drilled cement and plug	
After waitin for 30 minutes. T 3:00 PM July 5, 1 After approv	ng over 30 hours tested performers was no drop in pressure 952.	prations w/1500# pressure . Drilled cement and plug	
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After waiting for 30 minutes. To 3:00 PM July 5, 1 After approve preparations were preparations were (Name)	g over 30 hours tested perfere was no drop in pressure 952. Tal of Mr. Yarbrough, State (made to drill shead) Gulf Oil Corpor (Company)	prations w/1500# pressure c. Drilled cement and plug Dil and Gas Inspector, Ation Drilling Foreign (Title)	d complet
After waiting for 30 minutes. To 3:00 PM July 5, 1 After approve preparations were preparations were with the second sec	g over 30 hours tested perference was no drop in pressure 952. Tal of Mr. Yarbrough, State (made to drill shead.) Gulf Oil Corpor (Company) I hereby ce to the best	prations w/1500f pressure c. Drilled cement and plug Dil and Gas Inspector, ation Drilling Foregan	i comple
After waiting for 30 minutes. To 3:00 PM July 5, 1 After approve preparations were preparations were (Name)	g over 30 hours tested perfere was no drop in pressure. 952. Tal of Mr. Yarbrough, State (made to drill shead. Gulf Oil Corpor (Company) I hereby certo to the best Name	prations w/1500# pressure b. Drilled cement and plug Dil and Gas Inspector, Ation Drilling Foreign (Title) tify that the information given above is true and my knowledge.	i complet
After waiting for 30 minutes. To 31:00 PM July 5, 1 After approve preparations were preparations were preparations. Witnessed by Ra Aa Spiers (Name) Approved: OIL CONSERVATION CONSERV	Gulf Oil Corporate to the best of the company) OMMISSION I hereby ce to the best of the best of the best of the company.	prations w/1500# pressure c. Drilled cement and plug Dil and Gas Inspector, Ation Drilling Foreign (Title)	d comple

NEW NEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO



MISCELLANEOUS NOTICES

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

11/M 2 / 1072

advisable, or the rejection by the Commission or agent, of t and work should not begin until approval is obtained. Se the Commission.	ne plan submitted. The plan as approped another be additional instructions in the Rules and Regu	followed, lations of
Indicate nature of not	dce by checking below:	
NOTICE OF INTENTION TO TEST CASING SHUT-OFF	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 June 25,	1952
OIL CONSERVATION COMMISSION, Santa Fe, New Mexico	Place Date	
Gentlemen:		
Following is a notice of intention to do certain work as dec		
Gulf Oil Corporation Harry Leone Company or Operator Lease	ard WEH Well No. 5 in	se ne
of Sec. 16 T. 21-S R 37-E	N. M. P. M. Hare - Undesignated	Field.
Lea County.		
On June 23, 1952 ran 7 joints 250 casing w/Larkin Guide shoe. Set and colonghorn coment. Plug at 2501. Haximur 4:00 PM June 23, 1952. Coment Circulate Propose to drill plug and test of	m pressure 200#. Job completed at ted.	
Approved	Gulf Oil Corporation	
except at follows:	By O Borland	
	Position ASST Area Prod. Supt. Send communications regarding w	ell to
OIL CONSERVATION COMMISSION,	Name Gulf Oil Corporation	
Title Title	Address Box 2167, Hobbs, New Mex	d.co

MEXICO OIL CONSERVATION C.M.MISSION

MISCELLANEOUS REPORTS ON WELL

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 che	cking below.		
REPORT ON BEGINNING DRILLING OPERATIONS	ġ.	REF	PORT ON RE	PAIRING WELL	
REPORT ON RESULT OF SHOOTING CHEMICAL TREATMENT OF WI			ORT ON PUR ALTERING C	LLING OR OTHER	WISE
REPORT ON RESULT OF TEST OF C SHUT-OFF	CASING	REF	ORT ON DE	EPENING WELL	
REPORT ON RESULT OF PLUGGING	G OF WELL				
		June 24. 1	952	Hebbs.	New Mexico
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	June 24, 1	952	Hobbs,	New Mexico Place
Following is a report on the work done	and the results o	Date		·	Place
Gulf Oil Corporation	Har	Date btained under the	heading noted	above at the	Place
Following is a report on the work done Gulf Cdl Corporation Company or Operate SR NR	Har	Date btained under the ry Leonard # Lear	heading noted	above at the	Place
Gulf Oil Corporation Company or Operate	of Sec. 16	btained under the	heading noted En	well No	Placein the, N. M. P. M.
Gulf Oil Corporation Company or Operate SE NE	of Sec. 16	btained under the ry Leonard # Lear , T. 2	heading noted gu	well No	Placein the, N. M. P. M
Company or Operation Company or Operate SE NE Here - Undesignated The dates of this work were as follows:	of Sec. 16	btained under the Ty Leonard # Leas T 2 Leas 22, 1952	heading noted	well No	in the
Gulf Cil Corporation Company or Operate SE NE Here - Undesignated	Pool June 2	btained under the ry Leonard # Leas , T _ 2 Leas 22, 1952 tted on Form C-16	heading noted I I O O O O O O O O O O O	well No	in the

Fran Drilling Company moved in and spudded 172" surface hole at 9:00 PM June 22, 1952.

Witnessed by W. G. Cagla	Gulf Oil Gerperation Company	Drilling Foreman
APPROVED: OIL CONSERVATION COMMISSION		hat the information given above
RS Blum	Name CO	Gorland
- January Districts	Position ASS Area Prod	Supt.
JUN 25 195		Corperation
Date	, 19 Address Box 2167 H.	obbs, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION

NOTICE OF INTENTION TO DRILL

See Rules 101 and 1104.

Plan are considered advisable, a copy of this notice showing such charge 846 to Figure 4 to

Notice he		Hodds,	New Mexico		June 23, 1952	Tota
Notice he						
			on to commence the dri	lling of a well to	be known as	
Gulf	Oil Corpor	etica Ha	rry Leonard "E"	well	No5	in SE NE
Sec 16	т. 21-	3 R 37E	, N. M., P. M., HAT	(Undegig	nted) Lea	Count
			2310 fee			
	N		ine of the above section			
	 	-	ocation from section lin		ong directions.)	
	╂┼┼┼┼		d the oil and gas lease is		_	
			land the owner is			
 -	 	-				
		If governm	ent land the permittee i	s		
		Address	,			*************
		The lessee	is GulfOllCorpor	ration - Fo	rt Worth Produc	tion Div.
	MAG ACRES	Address	Bex 1290, Fort	borth, Tex	18	
LUCATE WE	EL COMMECILI	We propose	to drill well with drilling	g equipment as	ollows:	•••••
	Rotary	Teols - Cont	ractor - Fran D	dling Com	pany	
Size of Hole	Size of Casing	Weight Per Foot	New or Second Hand	Depth	Landed or Cemented	Sacks Cement
	12-3/4"	50#	New	2501	Cemented	300
7-1/4"			No.	28001	Cemented	900
7-1/4" 11"	8-5/8H	28#	New			700
11"	8-5/8# 5±1	28# 17#	New	80001	Cemented	950
11" 7-7/8"	511	17#				950
7-7/8# changes in	the above planted or gas sar	17#	New	fore cementing c	or landing easing. We	950
7-7/8* Changes ir	the above planted or gas sar	17#	New e we will notify you be	fore cementing c	or landing easing. We	950
7–7/8# Changes in	the above planted or gas sar	17#	New e we will notify you be	fore cementing c	or landing easing. We	950
7-7/8" changes in rest productional in	n the above plan ve oil or gas sar formation:	17#	New e we will notify you be a depth of about	fore cementing c	or landing easing. We	950
7-7/8* changes in rst producti dditional in	n the above plan ve oil or gas sar formation:	17# us become advisable ad should occur at a	New e we will notify you be a depth of about	fore cementing o	or landing easing. We et.	950
7-7/8* Changes in rst producti dditional in	the above plant ve oil or gas sar formation:	17# us become advisable ud should occur at a	New e we will notify you be a depth of about	fore cementing o	or landing easing. We	950
7-7/8* changes in rest productional in	the above plant ve oil or gas sar formation:	17# us become advisable ud should occur at a	New e we will notify you be a depth of about	fore cementing o	or landing easing. We et.	950
7-7/8* changes in rst producti dditional in	the above plant ve oil or gas sar formation:	17# us become advisable ud should occur at a	New e we will notify you be a depth of about	Gulf oil	Corporation Company of Operator	950
7-7/8n changes in st producti dditional in proved except as	the above plant ve oil or gas sar formation:	17# us become advisable ad should occur at a	New e we will notify you be a depth of about	Gulf oil Asstarea Pr	Corporation Company of Operator	950
7-7/8n changes in st producti dditional in proved except as	the above plant ve oil or gas sar formation:	17# us become advisable ud should occur at a	New e we will notify you be a depth of about	Gulf Oil Assiance Promise Recognitions recognitions	Corporation Company of Operator	950 estimate that t

This	Plat	exhibits	the	exact	location	of	Gulf	Oil	Corpo	ration'	s N	lo.	5 1	
Harry	Lean	ard "E"	_ in	Sec.	16	Twr	nsp _	[-2]	_8_	Range	1	3-37-	E	

SECTION 16	TOWNSHIP 561	X	RANGE Re3	
	80.02			? !k'c
				2310*
2 0 0				o330°
				80.00
				·
	W 0.0	56°W		

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 amowledge and belief.

J. A. Teague

COUNTY TA FIELD WAR	t:	STATE NM	API_MM_0	6625
OPR GULF OIL CORP.			SERIAL OW	W-)
NO 5 LEASE Leonard,	Harry (NCT	-E)	MAP	
Sec 16, T-21-S, R-37-E	SERIAL OWN Onard, Harry (NCT-E) MAP R-37-E CO-ORD FEL of Sec			
2310' FNL. 330' FEL of	S∈c		ELEV OF	<u> </u>
		CLASS	GL	
spo cMP=1-10-73	FORMATION	DATUM	FORMATION	DATUM
CSG & 5X				
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	то 8220'		Рео 7245	1
IP (Abo) Perfs 6745-7229' F	50 BOPD.	Pot bas	ed on 23 hz	•
test thru 16/64" chk. TP 1	50#			
CONTR	OPRS ELEV S/Q1	CIPD 7	2201	TYPE WO

F.R.C. 2-3-73

(Abo)

(Orig. #5 Leonard, Harry "E", comp 10-27-52, thru Perfs 7865-7920', OTD 8220', OPB 7930';

OWWO & Re-Omp 9-11-69 thru (Montoya) Perfs 7295-7333', OPB 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
Acid (6745-7229') 4500 gals

2-3-73

COMPLETION REPORTED

				- OWALO	
COUNTY LEA	FIELD	Wildcat	STA	ATE NM MN O	6624
OPR GULF OIL	CORP.			МА	P
5 Leonar	d, Harry (1	NCT-E)			
Sec 16, T	-21-S, R-3	7-E		CO-OI	RD
2310' FNL	, 330' FEL	of Sec.			
Re-Spd 9-	2-69		CLASS		L
Re-Cmp 9-	11-69	FORMATION	DATUM	FORMATION	DATUM
CSG & SX - TUBING	10.00				
8 5/8" at 2799'	w/1100 sx				
5 1/2" at 7999'	5 Leonard, Harry (Sec 16, T-21-S, R-3 2310' FNL, 330' FEL Re-Spd 9-2-69 Re-Cmp 9-11-69				
LOGS EL GR RA I	ND HC A				
		TD 8220';	PBD 7375'		
TP (Montova) Pe	rfs 7295-7	333 P 226 B	OPD + 6 P	W Pot hese	d on 24

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.

PROP DEPTH 7450 1 TYPE WO

DATE

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) TD 8220'; CO @ 2576'
TD 8220'; Drlg. Cmt @ 6224' 9-4-69 9-10-69 Ran 5 1/2" casing to tie-in to old casing @ 5351' 9-18-69 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

Wildcat NM Sec 16,T21S,R37E

GULF OIL CORP. 5 Leonard, Harry (NCT-E) Page #2

9-30-69 TD 8220'; PBD 7375'; TO Pmp

10-14-69 TD 8220'; PBD 7375'; COMPLETE

10-16-69 COMPLETION REPORTED