WILDCAT

Well: SHELL OIL CO. #4-1 Federal "GR"

Result: NEW GAS DISC

loc'n: 7 mi SE/Lea, SW/part county; Sec 4-22S=34E, 2310' FNEWLs Sec; 6 mi NE of North Bell Lake-Dev Fld, 4 mi SW of 13,880' dry hole.

Elev: 3643' DF; Spud: 12-9-64; Comp: 6-5-65; TD: 14,870' Casing: 16" 300, 10-3/4" 5711, 7-5/8" 11,895, 4-1/2" 14,870 Prod Zone: (Morrow) T/Pay 12,886, Prod thru Perfs 12,886-13,111

IP CAOF: 4,900,000 CFGPD Comp Info: DST 6245-6350', pkr failed; DST 6230-6350, op 2 hrs & 5 mins, rec 2000' mud, 2185' SW, ISIP NR, FP 661-2080#, FSIP 2611#/2 hrs; DST 7184-7273, op 1 hr & 37 mins, rec 270' sli GCM & 1890' SW, ISIP NR, FP 475-1100#, FSIP 2927#/ 2 hrs; DST 8830-8981, op 1 hr & 40 mins, rec 930' gas in DP & 180' GCM, ISIP NR, FP 105-147#, FSIP 253#/2 hrs; DST 11,265-505, op 1 hr, GTS 3 mins, rec 1890' sli GCM, had small leak in DP, ISIP NR, FP 395-572#, FSIP 1007#/9 mins; DST 11,505-630, op 2 hrs & 20 mins, GTS 9 mins, est 275,000 CFGPD, rec 773' GCM, ISIP 4670#/2 hrs, FP 210-231#, FSIP 4051#/3 hrs; DST 11,744-894, op 1 hr & 45 mins, rec 2500' gas in DP & 180' sli GCM, ISIP NR, FP 197-197#, FSIP 217#/3 hrs; DST 11,895-12,287, op 1 hr & 35 mins, rec 954' GCM, ISIP NR, FP 632-632#, FSIP 738#/2 hrs; DST 12,689-13,027, open w/strong blow gas, pkr failed; DST 12,681-13,027, op 5 hrs & 55 mins, GTS 123 mins, rec 3000' WC, gas vol. est 4,900,000 CFGPD thru 48/64" ch, 4,580,000 CFGPD thur 16/64" ch, ISIP NR, FP 1703-2792#, FSIP 7597#/80 mins; DST 13,051-180, op 5 hrs & 35 mins, GTS 1 hr, est 3,500,000 (Continued on Card 5-A)

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Date:

Card No.:

5 NM

mko

LEA COUNTY

**NEW MEXICO** 

7-13-65

WILDCAT

Well: SHELL OIL CO. #4-1 Federal "GR"

Result:NEW GAS DISC

Loc'n: 7 mi SE/Lea, SW/part county; Sec 4-22S-34E, 2310' FNEWLs Sec; 6 mi NE of North Bell Lake-Dev Fld, 4 mi SW of 13,880' dry hole.

(Cont'd from Card 5)

Comp Info (Cont'd): CFGPD, rec 1 gal 45.5-grav condensate, 744' WC & 1116' HGC mud, ISIP NR, FP 1529-913#, FSIP 7498#/2 hrs; DST 14,240-461, op 1 hr & 10 mins, rec 6696' gas in DP & 7553' hvly GCM, ISIP 5926#/1 hr, FP 1645-1800#, FSIP 5727#/90 mins; DST 14,430-669, op 2 hrs & 40 mins, GTS 34 mins, est 100,000 CFGPD thru 3/4" ch, dec to too small to measure, unloaded 1400' GCM, rec 5300' hvly GCM, ISIP 5762#/75 mins, FP 639-1555#, FSIP 5677#/80 mins; DST 14,668-870, op 1 hr & 50 mins, rec 3800' sli GCM & 9300' sulf wtr, ISIP 6280#/90 mins, FP 2685-4955#, FSIP 6039#/120 mins; Perf 14,424-570, set pkr 13,825, A/4000 gals, swbd 270 bbls wtr/16 hrs, set BP @ 13,500, pkr 12,750; Perf 12,886-892, 12,894-903 & 13,092-111, acidized w/unreported amt. C/McFarland Drlg. Co.

Tops (EL): Wolfe 11,359, Des M 11,722, Atoka 11,993, Morrow 12,780, Miss Li 13,850,

Silurian 14,414'.

BHP 6-26-66

6354# 16chrs - 8-10-66 6079 70 hrs

Card No: 5-A NM

Well: L & B OIL 1 Federal Result: D&A WO

Loc'n:

17 mi SE/Halfway; Sec 5-22S-34E; 660' FSL 1980' FEL of Sec;

REPRODUCTION PROHIBITED PROHIBITED COPYRIGHTED 1985 REPRODUCTION

Spud: 9-15-84; Comp: 12-11-84; Elev: 3611 'Grd; TD: 14,054 'Mor; Casing: 13-3/8"1120'/900sx; 10-3/4"4800'/1600sx; Comp Info: DST (Morrow) 13,504-13,614', Rec 8005' FWCWCUSH IFP 5138-5693#/5 mins, ISIP 7893#/1 hr, FFP 5951-7120#/1 hr 15 mins, Pkrs failed 1 hr 15 mins into FF, HP 8495-8411#, BHT 258°; No Cores; DST (Morrow) 13,764-14,054', Rec 8550' WCUSH + 1071 DMUD (Sample Chamber rec 2000 cc's DMUD @

100), IFP 4013-4079#/1 hr, ISIP 5511#/15 hr 13 mins, HP 8841-8734#, No other times or pressures reported; C/Rival #10.

Tops:NR

API No:30-025-28551



### Petroleum Information®

CORPORATION A Subsidiary of A.C. Nielsen Company

Date: 1-16-85

Card No.: 22

bc

6-22-34

LEA COUNTY

NEW MEXICO

WILDCA T

Well Locin

COPY RIGHTED 1974
REPRODUCTION PROHIBITED

Sec 6-22S-34E: 1980' FSL, 990' FEL Sec

NEW GAS DISC

<u>Spud:11-23-73;</u> /Comp:8-15-74; <u>Flev:</u> 3613' Grd; <u>TD:</u> 15,156' Morrow; <u>PB:</u> 10,440' <u>Casing:</u> 16" 359'/700 sx; 10-3/4" 4800'/1550 sx; 7-5/8" 9870'/5 35 sx;7" <u>lnr</u> 9710-13,500'

Prod Zone: (Bone Spring), T/Pay 10, 362'. Prod thru Perfs 10, 362-395' IPF: 58 BOPD 18/64" ch, Grav NR, GOR 300-1, CP pkr, TP 90#

SOUTHERN UNION PRODUCTION CO, 1 Barbara Federal

Comp Info: DST 8264-8322', op 2 hrs, rec 30' DM, ISIP 3336#/1 hr, FP 49-49# FSIP 3171#/2 hrs; HP 3336-3336#; DST (Bone Spring) 10,348-445', op 2 hrs 25 mins, rev out 30 BO & 3 BHO&GCM, ISIP 5126#/1 hr, FP 290-1255#, FSIP 4720#/2 hrs; HP 5075-5088#; Perf 10, 362-364', 10, 366, 10, 369, 10, 371, 10, 375, 10, 381, 10, 384 10, 390, 10, 393, 19, 395' w/2 SPF; A/2000 gals; frac w/20,000 gals MY-T frac and 11,000 gals; C/Brahaney Drlg Co

Tops EL: Anhy 1720', Yates 3910', Capitan Reef 4065, Dela Sd 5332', Bone Spring 8753' Wolfc li 12, 175', Strawn li 13, 330', Atoka 13, 805', Morrow 14, 245'

API No: 30-025-24598

Elec Log 12280



Petroleum Information®

Date: 11-13-74 Card No.: 24 dh

## ILLEGIBLE

#### C. W. TRAINBR AUTHORITY FOR EXPENDITURE

LeaseBarbara Fed				
StateNew Mexico	_Total I	epth_15000_	Field GRAM	A RDO.
DRILLING INTANGIBLES		DRY HOLE	PRODUCER-	
Stake loc, road, damages, leg	al	5000	5000	10 /
Location & road, Pit		2000	2000	Roentry
Footage 6			44444	V
Daywork _20 6 _4500 Rig Moving		90000 32000	90000 32000	
Sits & Reamers		7500	7500	Hands (
Fuel & Oil				1001
Rathole & Househole		2500	2500	Riglo
Welding		750	750	1
Drilling mud & additives Water		15000	15000	
Mudlogging Unit		7500	7500	
Rental tools & Equip.		45000	45000	
Company Overhead		6000	6000	
Supervision & Engineering		7000	7000	
Misc. Costs & Contingencies		15000	15000	
Testing Surface Csg. Service & Coment		15000	15000	•
Inter. Csg. Serv. & Coment		HAVE THE CHARGE OF THE PARTY OF	***************************************	
TOTAL DRILLING INTANGIBLES	250250.	250250	250250	\$250,250.
COMPLETION INTANGIBLES Completion unit10 # _150	٨	15000	15000	
Cased Hole logging & perf.	· · ·	14800	14800	
Water & Additives		5500	5500	
Stimulation & Treating		7500	7500	
Tool & Packer Rentals		5200	5200	
P & A: Restore Loc. Company Overhead		3000	3000	•
Supervision & Engineering	4	3500	3500	
Prod. Csg. serv & dement			8750	
TOTAL COMPLETION INTANGIBLES	59500.	59500	53250	\$ 63,250.
TANGIBLE EXPENSE				
Surface Csg6_				
Inter. Casg6_				
Prod. Casng. 3500 8 7.15			25025	
Tubing50006_3.75		Continues and Chicago Street Street	18750	
Casing Head			****************	
Bpool Spool				
Tbg. Head & Tree		****************	10250	
Subsurface Equip.			9850	
Tanks, Sep., & Connections Pumping Unit & Prime Mover			5000	,
Flow lines & Meter Runs		-	4000	
Installation Costs			3500	
Miso. & Contengencies			5000	01 275
TOTAL TANGIBLE COSTS	2225	******		81,375.
TOTAL INTANGIBLE COSTS GEOLOGICAL & PROSPECT FEE	309750.	309750	313500	313,500.
		Approximation of the same		
TOTAL COSTS	309750.	8309750	_8394675 S	394,875.
APPROVALE ////	-TO D	ST MORK		1 1 DD
Operator FW James	Ó B∀		Date	1/1-00
	in A change army		and the same of th	APP-ADALISMA ARIB
Participant	Ву		Date	
			¥.	

"It is recognised that the amounts provided herein are estimated only, and approval of this authorisation shall extend to the actual costs incured in conducting the operations specified, whether more or less than herein set out".

Prepared by .\_\_Gene\_Lee

Date 8-4-88

ACTEMETAL OUTTAKES OR SUAR IN BUTTON)

In. TIPE OF WORK

b. TYPE OF WILL WELL [] 2 NAME OF OUTLANDER

23

#### SUBMIT IN TRIPL (Other instructions reverse side)

PLUG BACK [

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#### UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

ine of from South Line and 990' From East line of

DEEPEN [

APPLICATION FOR PERMIT TO DRILL, DEEPER

8350 Lorth Central Empressway, Dallas, Texas 75206 4. TOWATH SOF WILL (Report location clearly and in accordance with any State requirements.)

Levonian 15,000'

Approx. De File as ut of Funice or 28 miles S.W. of Hobbs, New Mex.

August 1 1 A manuship 22 South, Range 34 East

14 DECASOR IN MULES AND DESCRIBENT FROM NEAREST TOWN OR POST OFFICE.

Southern Union Production Company 3. ADDRESS OF OPERATOR Suite 1700 Camplell Centre

π <sup>-</sup>	Budget Bureau No. 42-R1425
	3013334 1
1	G. LEASE DESIGNATION AND SERIAL NO.
	MMH-14004
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
	7. CNIT AGREEMENT NAME
	18. FARM OR LEASE NAME
-	Barbara Federal
-	U. WELL NO.
	#1
1	10. FIELD AND POOL, OR WILDCAY
	Wildcat
	11. SEC., T., B., M., OR BIK. AND SURVEY OR AREA
1	NE/4 SE/4 of Sec.e
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18 BULLINGUL TO THE POST OF THE ALTONOMATER OF ANY AND A STATE OF 21. TUNATIONS II low whether DP, RT, GR, etc.)

15 Discover 1 Control of the Control of Proceedings of the Control of the Control

DRILL EK

3613. G.L.

22 APPROX. DATE WORK WILL S. CO. Treether 1, 187

PROPOSED CASING AND CEMENTING PROGRAM

16 NO OF ACRES IN LEASE

19, PROPOSED DEPTH

8.17 ( · · · · · · · · · · · · · · · · · ·	SITU OF CASISO	WEIGHT PER FOOT	SETTANG DEPTH	QUANTITY OF CEMENT
<u>.</u> . [	11	(37)	300	850 sx
22-2,120	10-3/4"	40.5 - 52:	5,800	2,140 sx
9-7/8"	7-5/8"	26.4 - 39#	ft 12,300	350 SX
6-3/4"	5-1/2"	20#	14,000	284 sm
4-1/8"	3-1/2"	9.8#/ft	15,000	100 sx
	2-7/8" tbg	set @ 14,500 f	ft.	

We projuse to test the Devonian sand located @ approx 14,625'. We will have blind rive and Sparil type preventors capable of containing any anticipated surface pressures. Our plan is:

- a. Prill and set 400' of 16" csg, cementing w/850 sx cmt
- b. Frill and set 5,800 ft of 10-3/4" csg, cementing w/2,140 sx
- c. Drill and set 12,300' protection esg, cementing w/350 sx
- $d_{\star}$  field and but 2,200' of 5-1/2" any line to 14,000', accounting w/284 and cut.
- c. .rill and set 1,500' of 3-1/2" cer liner to 15,000', cementing w/10, sm cet.
- of a windle or do I packer on turing, depending on reservoir conditions, Feriorate-te, t and otic alute a regulate.

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Egr., Drilling and Production 11,14,73ATTAS space for Laderal or a tate affice PERMIT SOC

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CASE NO. 9457

#### OWNERSHIP LIST

# Barbara Federal No. 1 Oil and Gas Lease NM 14004 Containing 1078.30 acres, more or less, Lea County, New Mexico

#### TITLE TO MINERALS (Subject to Oil and Gas Lease NM 14004):

United States of America Minerals Management Service Royalty Management Program P. O. Box 5640 Denver, Colorado 80217-5640

All (12.5% RI)

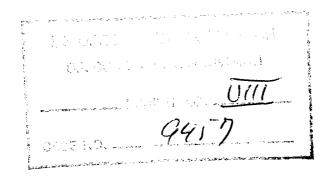
#### RECORD TITLE TO OIL AND GAS LEASE NM 14004:

Unicon Producing Company P. O. Box 2120 Houston, Texas 77252

ALL

#### TITLE TO OPERATING RIGHTS:

Campbell Parnters, Ltd.,
a limited partnership 50.000% WI
Unicon Producing Company 15.278% WI
C. W. Trainer 34.722% WI



LAW OFFICES

#### LOSEE & CARSON, P. A.

A. J. LOSEE
JOEL M. CARSON
JAMES E. HAAS
ERNEST L. CARROLL

300 AMERICAN HOME BUILDING
P. O. DRAWER 239
ARTESIA, NEW MEXICO 88211-0239

AREA CODE 505 746-3508 TELECOPY 746-5316

July 25, 1988

#### FEDERAL EXPRESS

Campbell Partners, Ltd. and Unicon Producing Company c/o Union Texas Petroleum 1330 Post Oak Blvd. Houston, Texas 7725

Attn: Greg Dove and Joseph Porter

#### Gentlemen:

C. W. Trainer hereby gives notice that it has filed an application to force pool the E/2 of Section 6, Township 22 South, Range 34 East, N.M.P.M., Lea County, New Mexico to allow for the re-entry of the Barbara Federal No. 1 to test the Morrow formation for gas. A copy of said application is enclosed herewith. Should you have an objection to such application, you may appear and contest said application at the hearing set for August 17, 1988 at the Oil Conservation Division in Santa Fe, New Mexico. C. W. Trainer requests that you consent to said application and encloses herewith an appropriate Waiver and Consent form. Should you have no objection, please execute and return said Waiver and Consent forms to me as soon as possible so that we may present them to the Oil Conservation Commission at the hearing on said application.

I appreciate your immediate attention to this matter.

Very truly yours,

LOSEE, CARSON, HAAS & CARROLL, P.A.

Ernest L. Carroll

ELC:ktl Enclosures

BEFORE EMANYETT CATALIAGH
CIL CONSTRUMINATION DIVISION
EXHIBIT NO. 17

CASE NO. 9457

#### OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF C. W. TRAINER FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO	: :	CASE NO	
	_:	•	

#### WAIVER AND CONSENT

CAMPBELL PARTNERS, LTD, hereby acknowledges that it has received a copy of the application of C. W. Trainer to forced pool the E/2 of Section 6, Township 22 South, Range 34 East in order to allow the re-entry of the Barbara Federal No. 1 to test the Morrow formation for gas, which well is located at a point 1980 feet from the South line and 990 feet from the East line of Section 6, Township 22 South, Range 34 East, N.M.P.M., Lea County, New Mexico. Campbell Partners, Ltd. hereby consents to the granting of said application and waives further notice of and attendance at any proceedings with respect to said application.

CAMPBELL PARTNERS, LTD.

Ву:
-----

#### OF THE STATE OF NEW MEXICO

#### WAIVER AND CONSENT

UNICON PRODUCING COMPANY hereby acknowledges that it has received a copy of the application of C. W. Trainer to forced pool the E/2 of Section 6, Township 22 South, Range 34 East in order to allow the re-entry of the Barbara Federal No. to test the Morrow formation for gas, which well is located at a point 1980 feet from the South line and 990 feet from the East line of Section 6,

Township 22 South, Range 34 East, N.M.P.M., Lea County, New Mexico. Campbell Partners, Ltd. hereby consents to the granting of said application and waives further notice of and attendance at any proceedings with respect to said application.

UNICON PRODUCING COMPANY

Ву:	 	 	 
Ву:			

OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF C. W. TRAINER FOR COMPULSORY POOLING,	:	CASE NO.
LEA COUNTY, NEW MEXICO	:	
	_:	

## CERTIFICATE OF MAILING AND COMPLIANCE WITH ORDER R-8054

In accordance with Division Rule 1207, I hereby certify that on July 25, 1988, notice of the hearing and a copy of the application for the above referenced case were sent (Federal Express) at least twenty days prior to hearings originally set for August 17, 1988 to the operators and interested parties listed in Exhibit "A".

Ernest L. Carroll LOSEE, CARSON, HAAS & CARROLL, P.A. P. O. Drawer 239 Artesia, New Mexico 88210

SUBSCRIBED AND SWORN TO before me this 25 day of July, 1988.

My commission expires:

11-25-89

Notary Public

#### EXHIBIT "A"

CAMPBELL PARTNERS, LTD.,
a limited partnership
c/o Union Texas Petroleum
P. O. Box 2120
Houston, Texas 77252-2120
Attn: Greg Dove
Joseph Porter

#### UNICON PRODUCING COMPANY

#### OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF C. W. TRAINER FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO	:	CASE NO
	:	

#### APPLICATION

COMES NOW C. W. TRAINER, by his attorneys, and in support hereof, respectfully states:

- 1. Applicant has the right to re-enter the Barbara Fed No. 1 Well and test the Morrow formation for gas, which well is located at a point 1,980 feet from the South line and 990 feet from the East line of Section 6, Township 22 South, Range 34 East, N.M.P.M., Lea County, New Mexico.
- 2. The applicant has dedicated the E/2 of said section to this well, and there are interest owners in the proration unit who have not agreed to pool their interests.
- 3. Applicant should be designated the operator of the well and the proration unit.
- 4. To avoid the drilling of unnecessary wells, to protect correlative rights and to afford to the owner of each interest in said unit the opportunity to recover or receive without unnecessary expense his just and fair share of the gas in said unit, all mineral interests, whatever they may be, from the surface to the base of the Morrow formation underlying the E/2 of said Section 6, should be pooled.
- 5. That any non-consenting working interest owner that does not pay his share of estimated well costs should have withheld

from production his share of the reasonable well costs, plus an additional 200% thereof as a reasonable charge for the risk involved in the drilling of the well.

6. Applicant should be authorized to withhold from production the proportionate share of a reasonable supervision charge for drilling and producing wells attributable to each non-consenting working interest owner.

WHEREFORE, applicant prays that:

- A. This application be set for hearing before an examiner and that notice of said hearing be given as required by law.
- B. Upon hearing the Division enter its order pooling all mineral interest, whatever they may be, from the surface through the base of the Morrow formation underlying the E/2 of said Section 6, Township 22 South, Range 34 East, N.M.P.M., Lea County, New Mexico to form a 320-acre spacing unit dedicated to applicant's well.
- C. And for such other relief as may be just in the premises.

C. W. TRAINER

Ernest L. Carroll

LOSEE, CARSON, HAAS & CARROLL, P.A.

P. O. Drawer 239

Artesia, New Mexico 88210

Attorneys for Applicant