BW - ___33___

AOR

7-13-71
C-122

7-19-71

Borehole Comp.
Sonic Log - Gamma Ray
0-11810

Laterolog - 9
5300 - 11796

Microlaterolog -
Microlog
10,000 - 11,810

Oxford®
ESSELTE

MADE IN U.S.A. NO. R753 1/3

8-10-71
MC-1951

30-015-20401

OXY USA INC.
Spencer A #1
30-225-27E
Ut. O SW SE

Penn - 9987

Geol Tops /por BGA

TX -	550
BX -	1090
Delaware	1435
Bone Spring	5490
Wolfcamp	8685
Penn	9930
STRAWN	10100
ATOKA	10495
MRRW LS	10967
MRRW CLS	11235
Chester	11723

NEW MEXICO OIL CONSERVATION COMMISSION

WELL LOCATION AND ACREAGE DEDICATION PLAT

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

All distances must be from the outer boundaries of the Section

Operator	Lease	Well No.
CITIES SERVICE OIL COMPANY	SPENCER A	1

Unit Letter	Section	Township	Range	County
O	30	22 SOUTH	27 EAST	EDDY

Actual Footage Location of Well:
660 feet from the SOUTH line and 1980 feet from the EAST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3180	Morrow	So. Carlsbad Morrow	~~320~~ 315 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

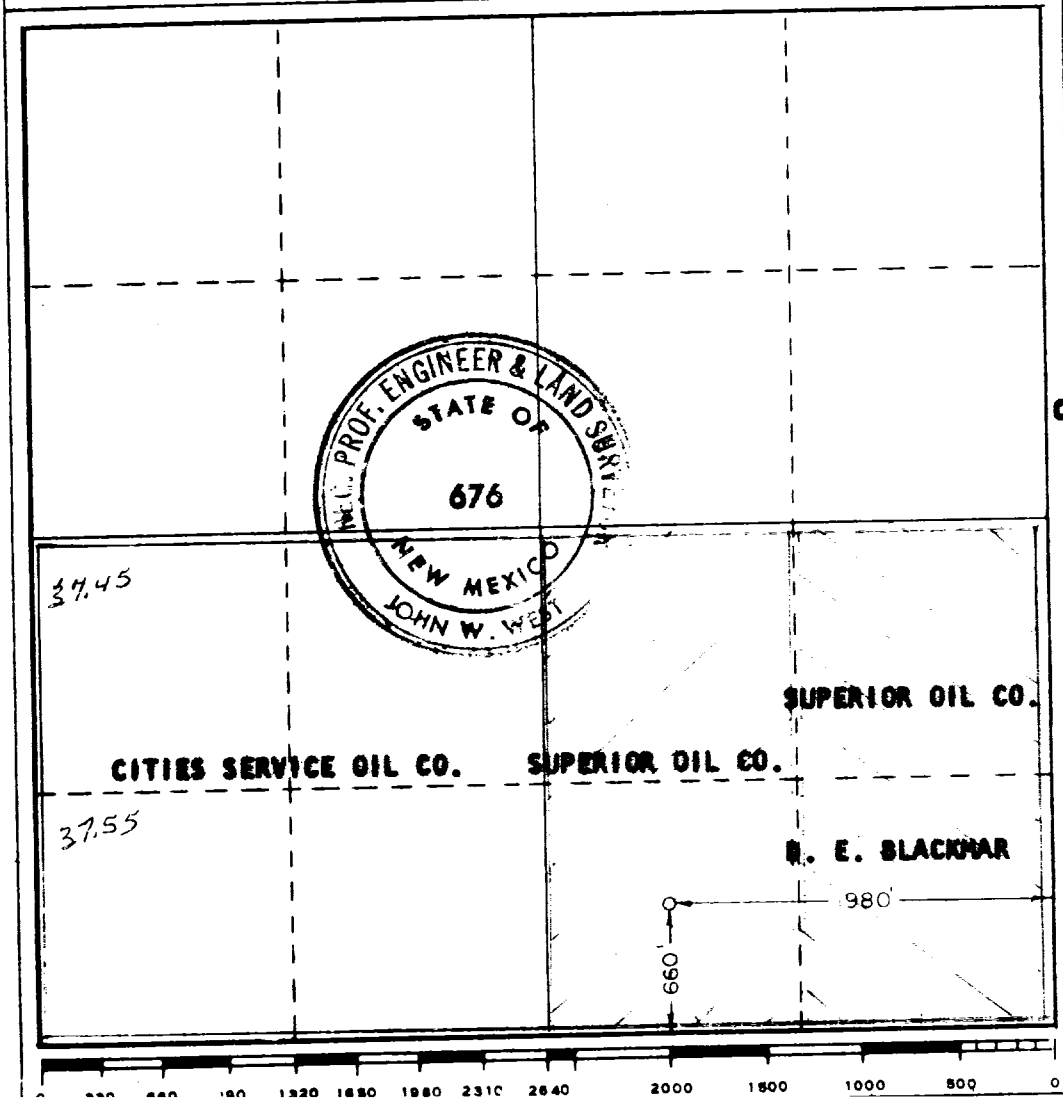
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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?

[X] Yes [ ] No If answer is "yes," type of consolidation Designation of Unit dated 1-25-71

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

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



CERTIFICATION

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

Name: Ed Cooper

Position: District Engineer

Company: Cities Service Oil Company

Date: 3-17-71

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

Date Surveyed: MARCH 16, 1971

Registered Professional Engineer and/or Land Surveyor: John W West

Certificate No. 676

MICHAEL F. McCORMICK
ATTORNEY-AT-LAW
P. O. BOX 1240
TELEPHONE 885-5972
CARLSBAD, NEW MEXICO 88220

RECEIVED
MAR 24 1971
O. C. C.
ARTESIA, OFFICE

March 23, 1971

Mr. W. A. Gressett, Supervisor &
Oil & Gas Inspector
Oil Conservation Commission
Drawer DD
Artesia, New Mexico 88210

Dear Mr. Gressett:

This will confirm our telephone conversation yesterday wherein I stated that the City has no objection to the following proposed location of a City Service Well in Section 30, Township 22 South, Range 27 East, N.M.P.M.:

> A well located 660' from the South line and 1,980' from the East line.

I am informed that this location is 1,000' North and 7,900' East of the NE end of Runway 321 and will not interfere with the operations of the Cavern City Air Terminal. As long as the well is drilled at the above location, the City of Carlsbad has no objection to drilling permits being issued.

Very truly yours,

Michael F. McCormick

MICHAEL F. McCORMICK
City Attorney

MFM:pc

cc: Mr. A. L. Porter, Jr., Oil Conservation Commission
Mr. Claude Tabor, City Administrator
Mr. Walter Gerrells, Mayor

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30-115-20401

NEW MEXICO CONSERVATION COMMISSION

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MAR 19 1971

O. C. C.
ARTESIA, OFFICE

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease STATE ☐ FEE ☒

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. Type of Well

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

7. Unit Agreement Name

8. Farm or Lease Name
Spencer A

2. Name of Operator
Cities Service Oil Company

9. Well No.
1

3. Address of Operator
Box 69 - Hobbs, New Mexico 88240

10. Field and Pool, or Wildcat
S. Carlsbad Morrow

4. Location of Well UNIT LETTER **O** LOCATED **660** FEET FROM THE **South** LINE AND **1980** FEET FROM THE **East** LINE OF SEC. **30** TWP. **22S** RGE. **27E** NMPM

12. County
Eddy

19. Proposed Depth	19A. Formation	20. Rotary or C.T.
11,800	Morrow	Rotary

21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
3200 GR (Est.)	Required-Approved	Not released	3-25-71

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17½"	13 3/8"	48#	350	Circulate	G.L.
12¼"	9 5/8"	36# & 40#	5300	Circulate	G.L.
8 3/4"	7"	23#, 26# & 29#	11800	400 sacks	8880

It is proposed to drill to a T.D. of 11,800' and test the Morrow formation.

The blow out prevention program is as follows:

1. One set blind rams.
2. One set drill pipe rams.
3. One hydrill.
4. One rotating head.

APPROVAL VALID FOR 90 DAYS UNLESS DRILLING COMMENCED, 6-23-71

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed [signature] Title **District Engineer** Date **March 17, 1971**

(This space for State Use)

APPROVED BY W. A. Gressett TITLE [illegible] DATE MAR [illegible] 1971

CONDITIONS OF APPROVAL, IF ANY:

[illegible] to [illegible]

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NEW MEXICO OIL CONSERVATION COMMISSION

APR 13 1971

O. C. C.
ARTESIA, OFFICE

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

5a. Indicate Type of Lease
State ☐ Fee ☒

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL ☐ GAS WELL ☒ OTHER-

7. Unit Agreement Name

2. Name of Operator
Cities Service Oil Company

8. Farm or Lease Name
Spencer A

3. Address of Operator
Box 69, Hobbs, New Mexico 88240

9. Well No.
1

4. Location of Well
UNIT LETTER **O**, **660** FEET FROM THE **South** LINE AND **1980** FEET FROM THE **East** LINE, SECTION **30** TOWNSHIP **22S** RANGE **27E** NMPM.

10. Field and Pool, or Wildcat
Undesignated Wildcat Morrow

15. Elevation *(Show whether DF, RT, GR, etc.)*
3184 Gr.

12. County
Eddy

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☒	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☒	
OTHER ☐		OTHER ☐	

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

T.D. 355 Lime. Prep. to drill ahead. Spud @ 11 A.M. on 3-30-71. Ran 10 jts. (331.93') 13 3/8" O.D. 48# H-40 casing set and cemented @ 352.93 w/380 sacks Class C cement w/2% $CaCl_2$. Plug down @ 4:30 A.M. on 3-31-71. Circulated 50 sacks of cement. W.O.C. for 24 hrs. Tested 13 3/8" casing with 1000 psi for 30 min. with no drop in pressure.

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

SIGNED [illegible] TITLE **Dist. Admin. Supervisor** DATE **4-6-71**

APPROVED BY W. A. Gressett TITLE **OIL AND GAS INSPECTOR** DATE [illegible]

CONDITIONS OF APPROVAL, IF ANY:

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OPERATOR		

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APR 19 1971

O. C. C.

ARTESIA, OFFICE

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

5a. Indicate Type of Lease: State ☐ Fee ☒

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL ☐ GAS WELL ☒ OTHER-

7. Unit Agreement Name

2. Name of Operator
Cities Service Oil Company

8. Farm or Lease Name
Spencer A

3. Address of Operator
Box 69 - Hobbs, New Mexico 88240

9. Well No.
1

4. Location of Well
UNIT LETTER **O** , **660** FEET FROM THE **South** LINE AND **1980** FEET FROM THE **East** LINE, SECTION **30** TOWNSHIP **22S** RANGE **27E** NMPM.

10. Field and Pool, or Wildcat
So. Carlsbad Morrow

15. Elevation *(Show whether DF, RT, GR, etc.)*
3184 GR

12. County
Eddy

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☒	
OTHER ☐		OTHER ☐	

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

T.D. 5300 Lime. Prep. to drill ahead. Ran 13 jts. (529.93') 9 5/8" OD 40# N-80, 29 jts. (1155.80') 9 5/8" OD 40# K-55, and 90 jts. (3594.97') 9 5/8" OD 36# K-55 casing set and cemented @ 5299 w/1000 sacks Halliburton lite cement w/3# Gilsonite and ¼# Flocele per sack, followed by 300 sacks Class C neat. Plug down @ 4:00 AM on 4/14/71. Opened DV tool @ 1625 and circulated 200 sacks of cement from the first stage to pit. Circulated through DV tool for 6 hrs. Cemented through DV tool w/860 sacks Halliburton lite cement w/3# Gilsonite and ¼# Flocele per sack. Circulated 200 sacks to pit. Plug down @ noon on 4/14/71. WOC 22 hrs. Tested 9 5/8" casing and rams for 30 minutes with 1500 psi with no drop in pressure.

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

SIGNED E. Fritsch TITLE **District Manager** DATE **4/16/71**

APPROVED BY W. A. Gressett TITLE **OIL AND GAS INSPECTOR** DATE **APR 19 1971**

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ARTESIA, OFFICE

NEW MEXICO OIL CONSERVATION COMMISSION

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

5a. Indicate Type of Lease
State ☐ Fee ☒

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL ☐ GAS WELL ☒ OTHER-

7. Unit Agreement Name

2. Name of Operator
CITIES SERVICE OIL COMPANY

8. Farm or Lease Name
SPENCER A

3. Address of Operator
P.O. BOX 69, HOBBS, NEW MEXICO 88240

9. Well No.
1

4. Location of Well
UNIT LETTER **O** , **660** FEET FROM THE **SOUTH** LINE AND **1980** FEET FROM THE **EAST** LINE, SECTION **30** TOWNSHIP **22S** RANGE **27E** NMPM.

10. Field and Pool, or Wildcat
S. Carlsbad Morrow Undes.

15. Elevation *(Show whether DF, RT, GR, etc.)*
3184 Gr.

12. County
EDDY

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☒	
OTHER ☐		OTHER ☐	

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

TD 10610 LIME. Prep to drill ahead. Ran 77 jts. (3317.88') 7" OD 29# N-80, 88 jts. (2836.41') 7" OD 26# N-80, and 104 Jts. (4438.67') 7" OD 23# N-80 casing set and cemented @ 10609 w/380 sacks of Class "C" cement w/7# Salt/sack and 3/4% CFR-2. Plug down @ 11:15 AM on 5-15-71. Ran temp. survey. Top of cement @ 7800. WOC 24 hrs. Tested 7" casing and rams to 1000 psi for 30 minutes with no drop in pressure.

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

SIGNED [illegible] D. ROBERTSON TITLE **District Administrative Super.** DATE **June 4, 1971**

APPROVED BY W. A. Gressett TITLE OIL AND GAS INSPECTOR DATE JUN 1971

CONDITIONS OF APPROVAL, IF ANY:

Attachment -- Form C103
SPENCER A #1

DISPLACED W/56 BBLS 2% KCL BRINE WATER. MAX 6300 MIN 3900 AIR 2 B/M @ 500, I.S.I.P. 2900. SWABBED DRY TO SEATING NIPPLE AT 10400'. REPERFORATED MORROW ZONE WITH 11-- 0.21" HOLES AT THE FOLLOWING DEPTHS: 11401, 11404, 11406, 11446, 11448, 11450, 11454, 11463, 11465, 11468, and 11470. TREATED MORROW PERFS WITH 2500 GAL. SUPER MUD ACID MIXED WITH 15% ISOPROPYL ALCOHOL AND 20 BALL SEALERS, FOLLOWED BY 800 GAL. 10% HCL, FOLLOWED BY 1700 GAL 5% HCL CONTAINING CLAY STABILIZING AGENT. DISPLACED WITH 59 BBLS 2% KCL BRINE WATER. MAX. 3600 PSI, MIN. 3200 PSI, AIR 3 B/M @ 3200 PSI, I.S.I.P. 2700 PSI, 10 MIN S.I.P. 2000 PSI. FLOWED WELL AT 4 RATES TO DETERMINE C.A.O.F. AS REPORTED ON C-122. SUBMITTING APPLICATION FOR MULTIPLE COMPLETION ON C-107. ACIDIZED STRAWN WITH 10,000 GAL 20% HCL WITH POLYMER FRICTION REDUCER, PRECEDED BY 7500 GAL 2% KCL GELLED BRINE PAD, AND OVERFLUSHED WITH 8000 GAL 2% KCL GELLED BRINE. MAX 6000 PSI, AIR 5.1 B/M AT 5900 PSI. I.S.I.P. 4000 PSI, 10 MIN S.I.P. 3700 PSI. RECOVERING ACID LOAD FROM STRAWN ZONE. MULTIPOINT TEST (C-122) WILL BE SUBMITTED UPON COMPLETION OF TESTING.

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JUL 19 197'
O. C.
ARTESIA, OFFICE

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

5a. Indicate Type of Lease State [ ] Fee [X]

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL [ ] GAS WELL [X] OTHER-

7. Unit Agreement Name

2. Name of Operator
CITIES SERVICE OIL COMPANY

8. Farm or Lease Name
SPENCER A

3. Address of Operator
P.O. BOX 69, HOBBS, NEW MEXICO 88240

9. Well No.
1

4. Location of Well
UNIT LETTER **O** , **660** FEET FROM THE **SOUTH** LINE AND **1980** FEET FROM THE **EAST** LINE, SECTION **30** TOWNSHIP **22S** RANGE **27E** NMPM.

10. Field and Pool, or Wildcat
UNDES. S.CARLSBAD MORROW

15. Elevation *(Show whether DF, RT, GR, etc.)*
3184 GR

12. County
EDDY

16. 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 [X]
TEMPORARILY ABANDON [ ]		COMMENCE DRILLING OPNS. [ ]	PLUG AND ABANDONMENT [ ]
PULL OR ALTER CASING [ ]	CHANGE PLANS [ ]	CASING TEST AND CEMENT JOB [X]	
OTHER [ ]		OTHER Completion Data [X]	

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

TD 11820, PBTD 11764 MORROW, 7" CASING AT 10609. RAN 30 JOINTS (1304') 5" 18# N-80 super FLUSH JOINT "P" LINER. SET BOTTOM OF LINER AT 11808. TOP OF LINER AT 10504 W/BOT COMB. PACKER HANGER. CEMENTED WITH 110 SAX CLASS C W/1% CFR-2 AND 0.5% HALAD 9. PLUG DOWN @ 9:15 P.M. 6-1-71. REVERSED OUT 32 SAX. JET PERFORATED 17--0.41" HOLES IN STRAWN POROSITY 10413--10429 (16') WITH ONE SHOT PER FOOT. RAN RTTS ON TUBING TO 10451. SET BELOW STRAWN PERFS AND TESTED LINER TO 3500 PSI. HELD OKAY. RESET AT 10355' ABOVE STRAWN PERFS. SWABBED LOAD WATER. ACIDIZED STRAWN PERFS WITH 4500 GALLONS 15% DOWELL BREAK DOWN ACID AND 25 -- 7/8" BALL SEALERS. MAX 550 PSI. AIR 2.5 B/M at 3800 PSI. GOOD BALL ACTION. I.S.I.P. 3300 PSI. 10 MIN. S.I.P. 2900 PSI. RAN BAKER MODEL D PACKER AND SET IN 7" CASING AT 10463. RAN BAKER SEAL ASSEMBLY, BAKER TYPE F PSI NIPPLE (1.87" I.D.), 20' BLAST JOINT AND BAKER DUAL HYDRAULIC PACKER ON 333 JOINTS 2 3/8" OD BUTTRESS TUBING. SET IN MODEL D PACKER WITH 9000 POUNDS WEIGHT AND LANDED IN DUAL HANGER OF XMAS TREE. DUAL PACKER AT 10269. RAN 255 JOINTS 2 3/8" OD BUTTRESS TUBING. SPACED INTO DUAL HYDRAULIC PACKER AT 10269 AND LANDED IN HANGER OF XMAS TREE. SET HYDRAULIC DUAL PACKER WITH PUMP PRESSURE. PRESSURED ANNULUS TO 1500 PSI TO TEST DUAL PACKER. HELD OKAY. SWABBED LOAD WATER. PERFORATED MORROW SECTION -- 11401, 11404, 11406, 11446, 11448, 11450, 11454, 11463, 11465 W/1 SHOT PER FOOT. ACIDIZED MORROW W/1500 GAL. SUPER MUD ACID MIXED W/15% ISOPROPYL ALCOHOL FOLLOWED BY 500 GAL. 10% HCL FOLLOWED BY 1000 GAL. 5% HCL CONTAINING CLAY STABILIZING AGENT.

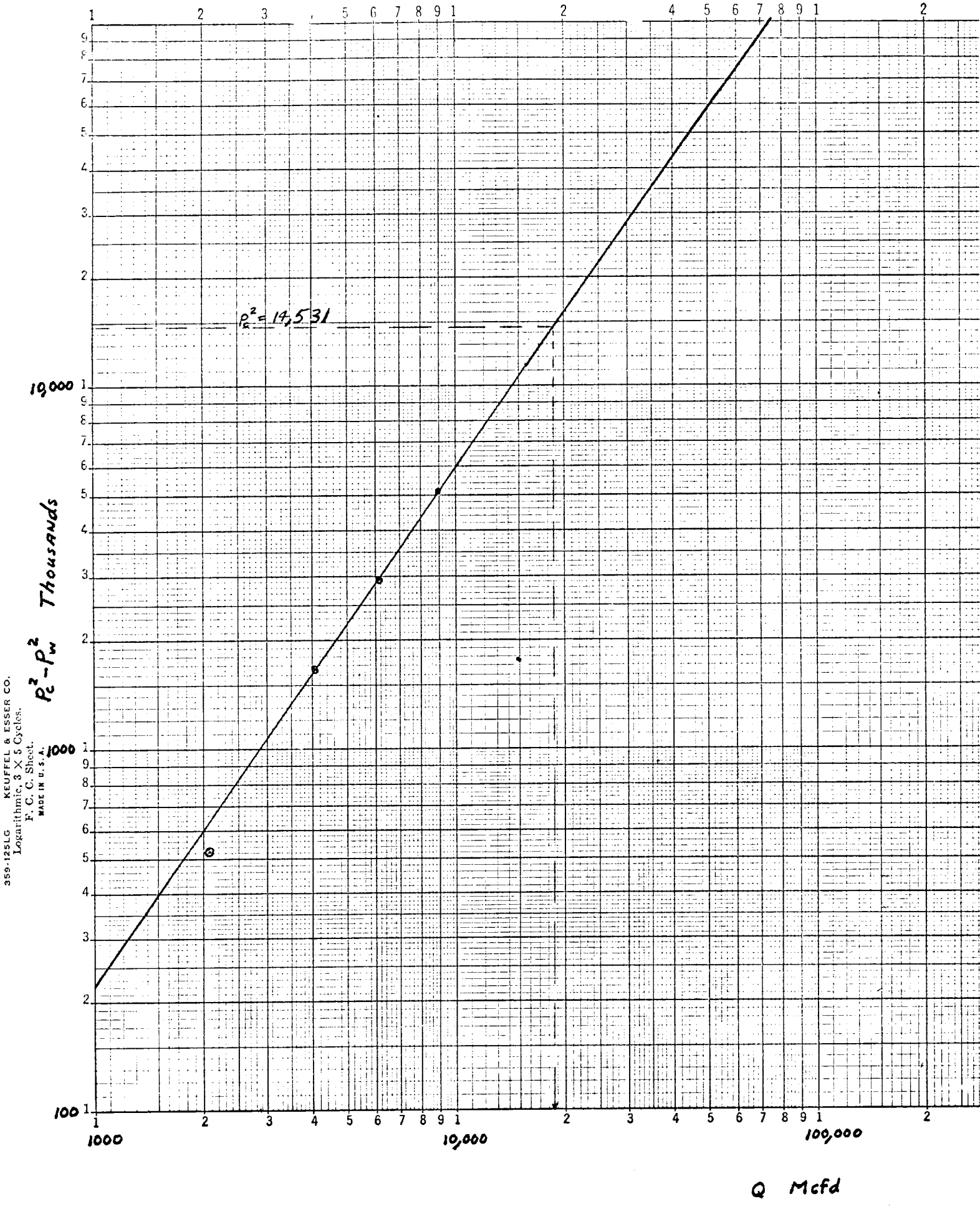
(SEE ATTACHMENT)

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

SIGNED ORIGINAL SIGNED BY D. B. ROBERTSON TITLE **DIST. ADMIN. SUPERVISOR** DATE **JULY 16, 1971**

APPROVED BY W. A. Gressett TITLE OIL AND GAS INSPECTOR DATE JUL 20 1971

CONDITIONS OF APPROVAL, IF ANY:


$p_a^2 = 14,531$
$p_c^2 - p_w^2$ Thousands
10,000
1000
100
1000
10,000
100,000
Q Mcfd
359-125LG KEUFFEL & ESSER CO.
Logarithmic, 3 X 5 Cycles.
F. C. C. Sheet.
MADE IN U.S.A.

$P_c^2 - P_w^2 = 10,000$ $\quad Q = 14,500$

$P_c^2 - P_w^2 = 1,000$ $\quad Q = 2,880$

log Q 14,500 = 4.16137

log Q 2,880 = 3.45990

.71047

N MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 6-25-71	
Company: CITIES SERVICE OIL COMPANY		Connection:			
Pool: SOUTH CARLSBAD		Formation: MORROW		Unit:	
Completion Date: 6-11-71	Total Depth: 11820	Plug Back TD: 11764	Elevation: 3184 gr	Farm or Lease Name: SPENCER "A"	
Csg. Size: 7" / 5" liner	Wt.: 26 / 18	d: 6.276 / 4.276	Set At: top 10504 / 10609 / 11808	Perforations: Selective fire, 11401, 04, 06, 46, 48, 50, 54, 63, 65, 68, 70	Well No.: 1
Tbg. Size: 2 3/8"	Wt.: 4.6	d: 1.995	Set At: 10465	Perforations: From / To	Unit: O / Sec.: 30 / Twp.: 22S / Rge.: 27E
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G.G. Multiple		Packer Set At: 10463		County: Eddy	
Producing Thru: tbg.	Reservoir Temp. °F: 11401 @ 136	Mean Annual Temp. °F: 60	Baro. Press. – P_a: 13.2	State: New Mexico	

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
10270	11401	.583	1.01	.28	-	Orifice	3"	Flange

	FLOW DATA				TUBING DATA		CASING DATA		
NO.	Prover Line Size	X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	S.I.	(24 hr)				3812	89	RECEIVED		
1.	3	2.250	350	8	63	3707	89			50 min
2.	3	2.250	555	19	62	3485	82			1 hr
3.	3	2.250	720	32	53	3185	86	JUL 16 1971		1 hr
4.	3	2.250	680	72	52	2559	89			1 hr
5.								O. C. C.		

RATE OF FLOW CALCULATIONS — ARTESIA, OFFICE

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	28.78	53.9	363.2	0.9971	1.310	1.029	2,085
2	28.78	103.9	568.2	0.9981	1.310	1.044	4,082
3	28.78	153.17	733.2	1.007	1.310	1.062	6,176
4	28.78	223.41	693.2	1.008	1.310	1.059	8,987
5							

NO.	P_t	Temp. °R	T_r	Z
1	.54	523	1.50	.945
2	.84	522	1.50	.917
3	1.08	513	1.47	.885
4	1.02	512	1.47	.892
5				

Gas Liquid Hydrocarbon Ratio: - Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: No liquid Deg.
Specific Gravity Separator Gas: .583 XXXXXXXXX
Specific Gravity Flowing Fluid: .583 XXXXX
Critical Pressure: 676 P.S.I.A. ____ P.S.I.A.
Critical Temperature: 349 R ____ R

P_c 3812 P_c^2 14,531

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		3743	14010	521
2		3586	12859	1672
3		3405	11594	2937
4		3063	9382	5149
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.822$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.143$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 19.25 MM

Point 4

Absolute Open Flow: 19.25 MM Mcfd @ 15.025 | Angle of Slope θ: ____ | Slope, n: .71047

Remarks: ____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Nichols, Talbot, Bennett	Brad Bennett	Brad Bennett

AFFIDAVIT

State of New Mexico

County of Lea

CITIES SERVICE OIL Company

Lease Name SPENCER A Well No. 1

In Sec. 30 Twp. 22S Rge. 27E

_____ _____

_____ _____ County

of Eddy __ State of

New Mexico E.Y. Wilder of lawful age being f st dual sworn

deposes and says:

That he supervises development and operation of the captioned ease and is duly qualified and authorized to make this affidavit and is fully acqua ted with all facts herein set out concerning Deviation test and Directional drilling.

Degrees	Depth	Degrees	Depth	egrees	Depth
.75	353	.50	5300		
.50	589	.75	5575		
1.00	679	1.00	6078		
1.75	795	.50	6560		
1.50	890	.75	7060		
1.00	1019	1.00	7506		
2.00	1230	1.25	8005		
2.25	1324	1.50	8405		
1.75	1406	1.50	8476		
2.00	1575	1.50	9475		
1.75	1685	.75	9854		
1.25	2160	.75	10034		
.75	2597	.75	10445		
.50	3060	.75	10900		
1.00	3559	1.50	11213		
.75	4040	2.75	11438		
.50	4321	2.50	11723		
.75	4818	2.50	11820		

Further affiant saith not.

E.Y. Wilder

Subscribed and sworn to before me this 16th day of July _____ 19 71

My Commission Expires _____ _____ Notary Public

Lea County, New Mexi

Cities Service Oil Company #1 Spencer "A"

Sec. 30-T22S-R27E Eddy County, New Mexico

DST #1: 10414-10444 (30') Strawn, 1500' water cushion, 3/4" bottom choke, 30/64" top choke. Tool opened for 15 min preflow at 8:15 A.M. 5/10/71. Good blow immediately. Fluid to top in 7 minutes. Unloaded water cushion. Gas to top in 10 min. with maximum surface pressure of 700 psi. Shut in for 1½ hour initial shut in pressure. Reopened tool on 30/64" choke for 1½ hour flow period. Flowed gas at rate of 7536 MCFD with flowing pressure of 1400 psi. No condensate to surface. Shut well in for 1½ hour final shut in pressure. Pulled packer loose and reversed out 560' of 56° gravity distillate (8.0 barrels), no water. 1½ hour ISIP 5405 psi, IF 1302 psi, FF 1995 psi, 1½ hour FSIP 4762 psi, MCP in 5956 psi, MCP out 5910 psi, BHT 160° F.

DST #2: 11385-11485--11485 (100') Morrow Sand. Testing two drilling breaks 11454--11465 and 11470--11481. Broke from 20 min/foot to 2-4 min /foot in both intervals. 5/8" bottom choke, 1/4" top choke. 2000' water cushion. Tool opened at 6 A.M. for preflow. Gas and cushion to surface in 7 min. at 500 psi. Cleaned choke and reopened on 24/64" choke at 6:20 A.M. Unloaded water cushion and built up to 3500 psi in 10 min. Shut in for 1½ hour ISIP @ 6:30 A.M. After preflow period, shut well in for 1½ hour ISIP. Opened well on 21/64" choke for flowing test at 8 A.M. Flowing pressure stabilized at 3525 psi producing gas at rate of 7.848 MMCFD. No fluid to surface. Shut well in at 10:00 A.M. for 2 hour FSIP. Pulled packer loose at 12 noon and pulled test tool. Recovered 30' of drilling fluid in drill pipe. No water. No oil. 1½ hour ISIP 4815 psi, IFP 4516 psi, FFP 4573 psi, 2 hour FSIP 4815, MCP in 5586 psi, MCP out 5586 psi, BHT 186° F.

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Form C-105
Revised 1-1-65

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

5a. Indicate Type of Lease: State ☐ Fee ☒

5. State Oil & Gas Lease No.

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER

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O. C. C.
ARTESIA, OFFICE

7. Unit Agreement Name

8. Farm or Lease Name: **SPENCER A**

9. Well No.: **1**

2. Name of Operator: **CITIES SERVICE OIL COMPANY**

10. Field and Pool, or Wildcat: **[illegible]. S.CARLSBAD MORROW**

3. Address of Operator: **P.O. BOX 69, HOBBS, NEW MEXICO 88240**

4. Location of Well

UNIT LETTER **O** LOCATED **660** FEET FROM THE **SOUTH** LINE AND **1980** FEET FROM THE **EAST** LINE OF SEC. **30** TWP. **22S** RGE. **27E** NMPM

12. County: **EDDY**

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Cashinghead
3-30-71	5-31-71	6-25-71	3184 GR	3182

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
11820	11764	2	→	0--TD	-0-

24. Producing Interval(s), of this completion — Top, Bottom, Name: **11401--11470 MORROW**

25. Was Directional Survey Made: **NO**

26. Type Electric and Other Logs Run: **Laterolog, Microlaterolog-Microlog, Microlaterolog, Borehole Compensated Sonic Log-Gamma Ray**

27. Was Well Cored: **No**

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

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"		352.93	17½	380 sacks	---
9 5/8"		5299	12¼	1760 sacks	---
7"		10609	8 3/4	380 sacks	---

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
5"	10504	11808	78	

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8	10465	10463

31. Perforation Record (Interval, size and number)

1--0.21" hole each @ 11401, 11404, 11406, 11446, 11448, 11450, 11454, 11463, 11465, 11468 and 11470.

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
11401--11470	4000 gal super mud acid W/15% isopropyl alcohol, 1300 gal 10% HCL, 2700 gal 5% HCL cont. clay stab. agent.

PRODUCTION

33.

Date First Production	Production Method (Flowing, gas lift, pumping — Size and type pump)	Well Status (Prod. or Shut-in)
6-25-71	FLOWING	SHUT-IN

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas — Oil Ratio
6-25-71	4 (4 point test)			--	--	--	--

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)
--	--		--	19.25 MM(A.O.F.)		--

34. Disposition of Gas (Sold, used for fuel, vented, etc.): **Well shut-in awaiting pipeline connection**

Test Witnessed By: **Brad Bennett**

35. List of Attachments: **Above listed logs - Deviation Survey**

36. *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.*

SIGNED ORIGINAL SIGNED BY R. E. ROBERTSON TITLE **Dist. Admin. Supervisor** DATE **7-16-71**

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission 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 30 through 34 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				Northwestern New Mexico			
T. Anhy		T. Canyon		T. Ojo Alamo		T. Penn. "B"	
T. Salt		T. Strawn	10154	T. Kirtland-Fruitland		T. Penn. "C"	
B. Salt		T. Atoka	10596	T. Pictured Cliffs		T. Penn. "D"	
T. Yates		T. Miss		T. Cliff House		T. Leadville	
T. 7 Rivers		T. Devonian		T. Menefee		T. Madison	
T. Queen		T. Silurian		T. Point Lookout		T. Elbert	
T. Grayburg		T. Montoya		T. Mancos		T. McCracken	
T. San Andres		T. Simpson		T. Gallup		T. Ignacio Qtzte	
T. Glorieta		T. McKee		Base Greenhorn		T. Granite	
T. Paddock		T. Ellenburger		T. Dakota		T.	
T. Blinebry		T. Gr. Wash		T. Morrison		T.	
T. Tubb		T. Granite		T. Todilto		T.	
T. Drinkard		T. Delaware Sand		T. Entrada		T.	
T. Abo		T. Bone Springs		T. Wingate		T.	
T. Wolfcamp	8770	T. Dean Sand	8384	T. Chinle		T.	
T. Penn.		T. Morrow	11150	T. Permian		T.	
T. Cisco (Bough C)		T. Chester	11772	T. Penn. "A"		T.	

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	90	90	Surface rock	9875	10058	183	Lime
90	315	225	Anhydrite	10058	10610	552	Lime & Shale
315	641	326	Anhydrite & Salt	10610	11175	565	Lime
641	816	175	Anhydrite	11175	11674	499	Lime & Shale
816	1511	695	Lime	11674	11707	33	Sand & Shale
1511	1547	36	Salt & Potash	11707	11820	113	Lime & Shale
1547	1625	78	Lime & Anhydrite		11820	TD	
1625	2383	758	Lime				
2383	2593	210	Lime & Salt				
2593	3526	933	Lime				
3526	3795	269	Lime & Sand				
3795	3910	115	Lime				
3910	4040	130	Lime & Anhydrite				
4040	4145	105	Lime				
4145	4320	175	Lime and Anhydrite				
4320	4508	188	Lime				
4508	4651	143	Lime and Dolomite				
4651	8436	3785	Lime				
8436	8626	190	Lime & Shale				
8626	8922	296	Lime				
8922	9013	91	Lime & Shale				
9013	9843	830	Lime				
9843	9875	32	Lime & Shale				

OIL CONSERVATION COMMISSION

BOX 2045

HOBBS, NEW MEXICO

NOTICE OF GAS CONNECTION

DATE October 4, 1971

This is to notify the Oil Conservation Commission that connection for the purchase of gas from the Cities Service Oil Co. (Operator), Spencer A #1 (Lease), O (Well Unit), Sec.30-22S-27E (S.T.R.), S. Carlsbad (Morrow) (Pool), Llano, Inc. (Name of ~~XXXXXXXXX~~ Pipeline Co.) was made on 9/24/71.

RECEIVED

OCT 7 1971

O. C. C.
ARTESIA, OFFICE

LLANO, INC.

~~XXXXXXXX~~
PIPELINE COMPANY

H. L. Smith
Representative

VICE PRESIDENT - OPERATIONS
Title

cc: To operator
Oil Conservation Commission - Santa Fe

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

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

RECEIVED
JUL 19 1971
O. C. C.
ARTESIA, OFFICE

I. Operator
CITIES SERVICE OIL COMPANY

Address
P.O. BOX 69, HOBBS, NEW MEXICO 88240

Reason(s) for filing (Check proper box)

				Other (Please explain)
New Well	X	Change in Transporter of:		
Recompletion		Oil	Dry Gas	
Change in Ownership		Casinghead Gas	Condensate	

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

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
SPENCER A	**1**	**[redacted], S.CARLSBAD MORROW**	State, Federal or Fee **FEE**	**--**

Location
Unit Letter **O** **660** Feet From The **SOUTH** Line and **1980** Feet From The **EAST**

Line of Section **30** Township **22S** Range **27E** , NMPM, **EDDY** County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

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

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

~~Plains Int.~~
~~NO GAS CONNECTION OR TRANSPORTER AT TIME OF THIS FILING~~

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
					yes	9-24-71

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

IV. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		X	X					

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
3-30-71	6-25-71	11820	11764
Elevations (DF, RKB, RT, GR, etc.)	**Name of Producing Formation**	**Top Oil/Gas Pay**	**Tubing Depth**
3184 GR	MORROW	11401	10465
Perforations 1--0.21" hole each @ 11401, 11404, 11406, 11446, 11448, 11450, 11454, 11463, 11465, 11468, and 11470			Depth Casing Shoe 11819

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
17½"	13 3/8"	352.93	380 sacks
12¼	9 5/8	5299	1760 sacks
8 3/4"	7"	10609	380 sacks
	5"	10504-11808	78 sacks

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

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 - Bbls.**	**Gas - MCF**

GAS WELL Calculated Acreage = 313

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
A.O.F. 19.25 MM	4 hrs.	--	--
Testing Method (pitot, back pr.)	**Tubing Pressure (Shut-in)**	**Casing Pressure (Shut-in)**	**Choke Size**
--	3812	--	8/64", 13/64", 17/64", 23/64"

VI. CERTIFICATE OF COMPLIANCE

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

(SIGNED) R. L. ROBERTSON

(Signature)
District Administrative Supervisor
(Title)
July 16, 1971
(Date)

OIL CONSERVATION COMMISSION
APPROVED OCT 6 1971, 19 _____
BY W. A. Gressett
TITLE OIL AND GAS INSPECTOR

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

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

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

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

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

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TRANSPORTER GAS		
OPERATOR		
PRORATION OFFICE		

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

RECEIVED
OCT 4 1971
O. C. C.
ARTESIA, OFFICE

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

I.

Operator
CITIES SERVICE OIL COMPANY

Address
P.O. BOX 69, Hobbs, New Mexico 88240

Reason(s) for filing (Check proper box)
New Well [X]
Recompletion [ ]
Change in Ownership [ ]
Change in Transporter of: Oil [ ] Dry Gas [ ] Casinghead Gas [ ] Condensate [ ]
Other (Please explain)
To report Gas Transporter and Connection date

If change of ownership give name and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Spencer A	1	~~Undes~~. S. Carlsbad Morrow	State, Federal or Fee Fee	--

Location
Unit Letter O : 660 Feet From The South Line and 1980 Feet From The East

Line of Section 30 Township 22S Range 27E NMPM Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil or Condensate	Address (Give address to which approved copy of this form is to be sent)
Name of Authorized Transporter of Casinghead Gas or Dry Gas [X]	Address (Give address to which approved copy of this form is to be sent)
Llano, Inc. (12.69841% of Sales)	P.O. Box 1320, Hobbs, New Mexico 88240

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	-	-	-	-	Yes	Sept. 24, 30, 1971

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

IV. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Resv.	Diff. Resv.

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Perforations			Depth Casing Shoe

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

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

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-Bbls. / Gas-MCF

GAS WELL

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

VI. CERTIFICATE OF COMPLIANCE

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

(Signature)
District Administrative Supervisor
(Title)
October 1, 1971
(Date)

OIL CONSERVATION COMMISSION
APPROVED OCT 6 1971, 19
BY W. A. Gressett
TITLE OIL AND GAS INSPECTOR

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

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

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

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

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

Copy to
#2

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NOV 17 1971
O. C. C.
ARTESIA, OFFICE

NEW MEXICO OIL CONSERVATION COMMISSION

P. O. DRAWER "DD"

ARTESIA, NEW MEXICO 88210

AIR MAIL

NOTICE OF GAS CONNECTION

DATE November 15, 1971 .

This is to notify the Oil Conservation Commission that connection for the purchase of gas from the Cities Service Oil Co. (Operator) . Spencer "A" (Lease) .

Well #1-Unit Letter "O" (Well Unit) . 30-22S-27E (S.T.R.) . South Carlsbad (Pool) . Transwestern (Name of purchaser) .

Eddy County (Morrow)

was made on November 11, 1971 .

Transwestern Pipeline Company

H. N. Aicklen
Representative

Supervisor Gas Purchase Contract Administration
Title

cc: Operator
Oil Conservation Commission - Santa Fe

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

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

RECEIVED
NOV 9 1971
O. C. C.
ARTESIA, OFFICE

I.

Operator
CITIES SERVICE OIL COMPANY

Address
P.O. BOX 69, Hobbs, New Mexico 88240

Reason(s) for filing *(Check proper box)*

New Well [X]
Recomplection [ ]
Change in Ownership [ ]
Change in Transporter of: Oil [ ] Casinghead Gas [ ]

To report authorized transporter of gas.
additional

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

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
SPENCER A	1	Undes.S.Carlsbad Morrow	State, Federal or Fee Fee	-

Location
Unit Letter 0 ; 660 Feet From The South Line and 1980 Feet From The East Line of Section 30 Township 22S Range 27E NMPM, Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS Split Connection

Name of Authorized Transporter of Oil or Condensate (Give address to which approved copy of this form is to be sent)

Name of Authorized Transporter of Casinghead Gas or Dry Gas X (Give address to which approved copy of this form is to be sent)
* Plant Inc 12,69841 gc
* Transwestern Pipeline Company (87.30159% of sales) P.O. Box 2521, Houston, Texas 77001

If well produces oil or liquids, give location of tanks. Unit _____ Sec. _____ Twp. _____ Rge. _____ * yes
* yes
Is gas actually connected? When 9-24-71
11-1-71

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

IV. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.

Date Spudded	Date Compl. Ready to Prod.	Total Depth
Elevations *(DF, RKB, RT, GR, etc.)*	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Perforations			Depth Casing Shoe

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

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

OIL WELL

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

GAS WELL Estimated 315

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

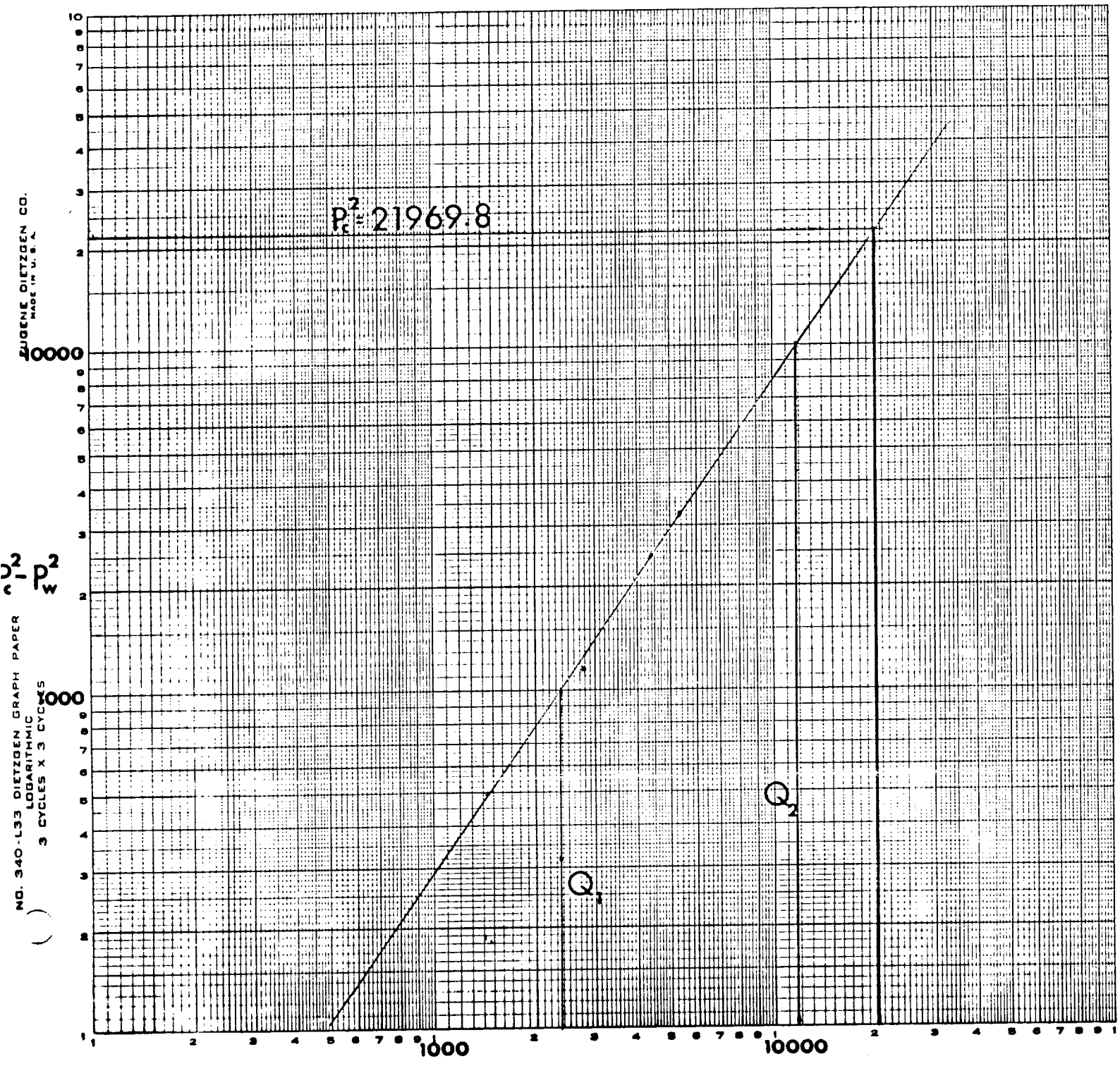
VI. CERTIFICATE OF COMPLIANCE

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

(Signature)
District Administrative Supervisor
(Title)
November 8, 1971
(Date)

OIL CONSERVATION COMMISSION
NOV 10 1971, 19
W. A. Gressett
OIL AND GAS INSPECTOR

This form is to be filed in compliance with RULE 1104.
Allowable will be assigned to a well only after an approved test has been accompanied by a tabulation of the deviation tests run in accordance with RULE 111.
All sections of this form must be filled out completely for allowable on new and recompleted wells.
Fill out only sections I, II, III, and VI for changes of owner, well name or number, transporter, or other such change of condition.
Separate Forms C-104 must be filed for each pool in multiply completed wells.



LOG Q_1 = 4.07004
LOG Q_2 = 3.37749
SLOPE = .69255

Q MCFD

A O F = 20,157

N MEXICO OIL CONSERVATION COMMS. N

Form C-122
Revised 9-1-65

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

RECEIVED
DEC 9 1971
O. C. C.
ARTESIA, OFFICE

Type Test: ☐ Initial ☐ Annual ☒ Special				Test Date: 11-30-71	
Company: CITIES SERVICE OIL COMPANY			Connection: Transwestern Pipeline Company		
Pool: South Carlsbad			Formation: Morrow		Unit
Completion Date: 6-11-71	Total Depth: 11,820		Plug Back TD: 11,764	Elevation: 3183	Farm or Lease Name: Spencer "A"
Csg. Size: 7" / 5"	Wt.: 26 / 18	d: 6.276 / 4.276	Set At: 10609 / 10504-11808	Perforations: 11401,04,06,46,48,	Well No.: 1
				From 11450,54,63,65,68,70	
Tbg. Size: 2 3/8"	Wt.: 4.6	d: 1.995	Set At: 10,465	Perforations: From ____ To ____	Unit: O / Sec.: 30 / Twp.: 22S / Rge.: 27E
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G.G. Multiple			Packer Set At: 10,463		County: Eddy
Producing Thru: Tubing	Reservoir Temp. °F: 11401 @ 180°		Mean Annual Temp. °F: 60	Baro. Press. – P_a: 13.2	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
10,465	11401	.583	1.01	.28	-	Orifice	4"	Flange

NO.	FLOW DATA: Prover Line Size	X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	72 Hr.					3735				
1.	4"	1 3/4	825	3	82	3715	70			1
2.	4"	1 3/4	840	22	81	3615	70			1
3.	4"	1 3/4	860	50	58	3437	70			1
4.	4"	1 3/4	870	67	50	3325	70			1
5.										

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	14.93	71	838.2	.9795	1.310	1.056	1436
2	14.93	137	853.2	.9804	1.310	1.058	2779
3	14.93	209	873.2	1.002	1.310	1.070	4382
4	14.93	243	883.2	1.010	1.310	1.075	5160
5							

NO.	P_t	Temp. °R	T_r	Z
1	1.24	542	1.56	.896
2	1.26	541	1.56	.894
3	1.29	518	1.49	.874
4	1.31	510	1.47	.865
5				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons No Liq. Deg.
Specific Gravity Separator Gas .583 XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure 676 P.S.I.A. _____ P.S.I.A.
Critical Temperature 348 R _____ R

P_c 4687.2 P_c^2 21969.8

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		4634.2	21475.8	494.0
2		4563.2	20822.8	1147.0
3		4421.2	19547	2422.8
4		4332.2	18767.9	3201.9
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 9.068$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 4.60$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ 20,157 MCFD
Rate #3

Absolute Open Flow 20,157 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .693

Remarks: P_w & P_c were taken from bottom hole pressure bomb.
BHP before test = 4674 BHP after 72 hr. S.I. = 4674

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Nichols & Talbott	S.C. Nichols	Brad Bennett

U. S. COPIES RECEIVED	
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SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER OIL	
TRANSPORTER GAS	
OPERATOR	
PRORATION OFFICE	

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

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

RECEIVED
JAN 13 1972

I. Operator
CITIES SERVICE OIL COMPANY ✓

Address
P.O. BOX 69, Hobbs, N.M. 88240

Reason(s) for filing *(Check proper box)*
New Well ☐ Change in Transporter of: Oil ☐ Dry Gas ☐ Casinghead Gas ☐ Condensate ☐
Recompletion ☐
Change in Ownership ☐

Other (Please explain)
To report change in percentage of gas takes by dual transporters

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

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Spencer "A"	1	S. Carlsbad Morrow	State, Federal or Fee Fee	--

Location
Unit Letter 0 ; 660 Feet From The South Line and 1980 Feet From The East

Line of Section 30 Township 22S Range 27E , NMPM, Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

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

Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas X — Address (Give address to which approved copy of this form is to be sent)
Llano, Inc. (50.79365) — P.O. Box 1320, Hobbs, N.M. 88240
Transwestern Pipeline Co. (49.20635) — P.O. Box 2525, Houston, Texas 77001

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	--	--	--	--	Yes	Sept. 24, 1971

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

IV. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Elevations *(DF, RKB, RT, GR, etc.)*	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Perforations			Depth Casing Shoe

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

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

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-Bbls.	Gas-MCF

GAS WELL

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

VI. CERTIFICATE OF COMPLIANCE

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

(Signature)
District Administrative Supervisor
(Title)
January 11, 1972
(Date)

OIL CONSERVATION COMMISSION
APPROVED JAN 13 1972, 19 ____
BY A. R. Gressett
TITLE OIL AND GAS INSPECTOR

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

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

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

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

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

RECEIVED

DEC 1 1972

O. C. C.
ARTESIA, OFFICE

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

GAS SUPPLEMENT NO. (NW) (SE) SF-3616 DATE 12-4-72

NOTICE OF WELL CONNECTION OR AUTHORITY TO ASSIGN ALLOWABLE
ALL VOLUMES EXPRESSED IN MCF

The operator of the following well has complied with all the requirements of the Oil Conservation Commission and may be assigned an allowable as shown below.

Date of Connection _____ Date of First Allowable or Allowable Change _____
Purchaser Transwestern & Llano Pool Carlsbad Morrow, South
Operator Cities Service Oil Co. Lease Spencer-A
Well No. 1 Unit Letter O Sec. 30 Twp. 22S Rnge. 27E
Dedicated Acreage _____ Revised Acreage _____ Difference _____
Acreage Factor _____ Revised Acreage Factor _____ Difference _____
Deliverability _____ Revised Deliverability _____ Difference _____
A x D Factor _____ Revised A x D Factor _____ Difference _____

DIST. #

Production correction

CALCULATION OF SUPPLEMENTAL ALLOWABLE

MONTH	% OF MO.	PREV. ALLOW	REV. ALLOW.	PREV. PROD.	REV. PROD.	REMARKS
JANUARY						
FEBRUARY						
MARCH						
APRIL						
MAY						
JUNE						
JULY						
AUGUST						
SEPTEMBER						
OCTOBER				34244	136497	+102253
NOVEMBER						
DECEMBER						
TOTALS						
ALLOWABLE PRODUCTION DIFFERENCE - - - - - -				102253-		
Oct. SCHEDULE O/U STATUS - - - - - -				52644+		
REVISED Oct. O/U STATUS - - - - - -				49609-		
EFFECTIVE IN January SCHEDULE - - - - -						
PREVIOUS PERIOD ADJUSTMENTS - - - - - - - -						CURRENT CLASSIFICATION N TO

NOTICE OF SHUT-IN

The following described well has been Shut-in for Failure of Compliance:

Purchaser _____ Pool _____ Date _____
Operator _____ Lease _____
Well No. _____ Unit Letter _____ Sec. _____ Twp. _____ Rnge. _____
Effective date of Shut-in _____ Reason for Shut-In _____

A. L. PORTER, Jr., *Director*

By _____

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

RECEIVED
MAY 9 1973
O. C. C.
ARTESIA, OFFICE

GAS SUPPLEMENT NO. (NW) (SE) SE-3716 DATE 5-7-73

NOTICE OF WELL CONNECTION OR AUTHORITY TO ASSIGN ALLOWABLE

ALL VOLUMES EXPRESSED IN MCF

The operator of the following well has complied with all the requirements of the Oil Conservation Commission and may be assigned an allowable as shown below.

Date of Connection Date of First Allowable or Allowable Change
Purchaser Transwestern & Llano Pool Carlsbad Morrow, South
Operator Cities Service Oil Co. Lease Spencer A
Well No. 1 Unit Letter O Sec. 30 Twp. 22S Rge. 27E
Dedicated Acreage Revised Acreage Difference
Acreage Factor Revised Acreage Factor Difference
Deliverability Revised Deliverability Difference
A x D Factor Revised A x D Factor Difference

Allowable correction DIST. #

CALCULATION OF SUPPLEMENTAL ALLOWABLE

MONTH	% OF MO.	PREV. ALLOW	REV. ALLOW.	PREV. PROD.	REV. PROD.	REMARKS
JANUARY						
FEBRUARY						
MARCH						
APRIL						
MAY		213425	200491			-12934
JUNE						
JULY						
AUGUST						
SEPTEMBER						
OCTOBER						
NOVEMBER						
DECEMBER						
TOTALS						
ALLOWABLE PRODUCTION DIFFERENCE - - - - - -						
March SCHEDULE O/U STATUS - - - - - -						
REVISED March O/U STATUS - - - - - -						
EFFECTIVE IN June SCHEDULE - - - - -						
PREVIOUS PERIOD ADJUSTMENTS - - - - - - - -						CURRENT CLASSIFICATION N TO

NOTICE OF SHUT-IN

The following described well has been Shut-in for Failure of Compliance:

Purchaser Pool Date
Operator Lease
Well No. Unit Letter Sec. Twp. Rge.
Effective date of Shut-in Reason for Shut-In

A. L. PORTER, Jr., Director

By

NEW MEXICO
'L CONSERVATION COMMI ION
P. O. BOX 2088
SANTA FE, NEW MEXICO

GAS SUPPLEMENT NO. (NW) (SE) SF-3695 DATE 4-11-73

NOTICE OF WELL CONNECTION OR AUTHORITY TO ASSIGN ALLOWABLE

ALL VOLUMES EXPRESSED IN MCF

The operator of the following well has complied with all the requirements of the Oil Conservation Commission and may be assigned an allowable as shown below.

Date of Connection _____ Date of First Allowable or Allowable Change _____
Purchaser Transwestern & Llano Pool Carlsbad Morrow, South
Operator Cities Service Oil Co. Lease Spencer A
Well No. 1 Unit Letter O Sec. 30 Twp. 22S Rnge. 27E
Dedicated Acreage _____ Revised Acreage _____ Difference _____
Acreage Factor .98 Revised Acreage Factor _____ Difference _____
Deliverability _____ Revised Deliverability _____ Difference _____
A x D Factor _____ Revised A x D Factor _____ Difference _____

DIST. #

XXX To Charge Redistribution

CALCULATION OF SUPPLEMENTAL ALLOWABLE

MONTH	% OF MO.	PREV. ALLOW.	REV. ALLOW.	PREV. PROD.	REV. PROD.	REMARKS
JANUARY						
FEBRUARY						
MARCH						
APRIL						
MAY						
JUNE						
JULY						
AUGUST						
SEPTEMBER						
OCTOBER						
NOVEMBER						
DECEMBER						Redistribution 549,661
TOTALS						
ALLOWABLE PRODUCTION DIFFERENCE - - - - - -				549,661+		
March SCHEDULE O/U STATUS - - - - - -				315,292-		
REVISED March O/U STATUS - - - - - -				234,369+		
EFFECTIVE IN May SCHEDULE - - - - -						
PREVIOUS PERIOD ADJUSTMENTS - - - - - - - -						CURRENT CLASSIFICATION N TO

NOTICE OF SHUT-IN

The following described well has been Shut-in for Failure of Compliance:

Purchaser _____ Pool _____ Date _____
Operator _____ Lease _____
Well No. _____ Unit Letter _____ Sec. _____ Twp. _____ Rnge. _____
Effective date of Shut-in _____ Reason for Shut-In _____

A. L. PORTER, Jr., Dir~~ector~~
By _____

RECEIVED

JUL 27 1973

O. C. C.
ARTESIA, OFFICE

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

GAS SUPPLEMENT NO. (NW) (SE) SF-3780 DATE 7-19-73

NOTICE OF WELL CONNECTION OR AUTHORITY TO ASSIGN ALLOWABLE

ALL VOLUMES EXPRESSED IN MCF

The operator of the following well has complied with all the requirements of the Oil Conservation Commission and may be assigned an allowable as shown below.

Date of Connection _____ Date of First Allowable or Allowable Change _____
Purchaser TRANSWESTERN & LLANO Pool CARLSBAD MORROW, SOUTH
Operator CITIES SERVICE OIL CO. Lease SPENCER-A
Well No. 1 Unit Letter O Sec. 30 Twp. 22S Rnge. 27E
Dedicated Acreage 313 Revised Acreage _____ Difference _____
Acreage Factor .98 Revised Acreage Factor _____ Difference _____
Deliverability _____ Revised Deliverability _____ Difference _____
A x D Factor _____ Revised A x D Factor _____ Difference _____

Charge Redistribution _____ DIST. # _____

CALCULATION OF SUPPLEMENTAL ALLOWABLE

MONTH	% OF MO.	PREV. ALLOW	REV. ALLOW.	PREV. PROD.	REV. PROD.	REMARKS
JANUARY						
FEBRUARY						
MARCH						
APRIL						
MAY						
JUNE						
JULY						
AUGUST						
SEPTEMBER						
OCTOBER						
NOVEMBER						
DECEMBER						
TOTALS						
ALLOWABLE PRODUCTION DIFFERENCE - - - - - -				380,426+		REDIST.
May SCHEDULE O/U STATUS - - - - - -				148,069-		
REVISED May O/U STATUS - - - - - -				232,357+		
EFFECTIVE IN August SCHEDULE - - - - -						
PREVIOUS PERIOD ADJUSTMENTS - - - - - - - -						CURRENT CLASSIFICATION N TO

NOTICE OF SHUT-IN

The following described well has been Shut-in for Failure of Compliance:

Purchaser _____ Pool _____ Date _____
Operator _____ Lease _____
Well No. _____ Unit Letter _____ Sec. _____ Twp. _____ Rnge. _____
Effective date of Shut-in _____ Reason for Shut-In _____

A. L. ~~PORTER, Jr.~~, Director

By _____

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

GAS SUPPLEMENT NO. ~~(NW)~~ (SE) SF-3880 DATE 12-3-73

NOTICE OF WELL CONNECTION OR AUTHORITY TO ASSIGN ALLOWABLE

ALL VOLUMES EXPRESSED IN MCF

The operator of the following well has complied with all the requirements of the Oil Conservation Commission and may be assigned an allowable as shown below.

Date of Connection _____ Date of First Allowable or Allowable Change _____
Purchaser Transwestern & Llano Pool Carlsbad Morrow, South
Operator Cities Service Oil Company Lease Spencer-A
Well No. 1 Unit Letter O Sec. 30 Twp. 22S Rnge. 27E
Dedicated Acreage _____ Revised Acreage _____ Difference _____
Acreage Factor .98 Revised Acreage Factor _____ Difference _____
Deliverability _____ Revised Deliverability _____ Difference _____
A x D Factor _____ Revised A x D Factor _____ Difference _____

New allocation Factor issued due to improper well classification. (242980.54) DIST. #

CALCULATION OF SUPPLEMENTAL ALLOWABLE

MONTH	% OF MO.	PREV. ALLOW	REV. ALLOW.	PREV. PROD.	REV. PROD.	REMARKS
JANUARY						
FEBRUARY						
MARCH						
APRIL						
MAY						
JUNE						
JULY						
AUGUST						
SEPTEMBER						
OCTOBER						
NOVEMBER						
DECEMBER		250455	238121			
TOTALS						
ALLOWABLE PRODUCTION DIFFERENCE - - - - - -						
Oct. SCHEDULE O/U STATUS - - - - - -						
REVISED Oct. O/U STATUS - - - - - -						
EFFECTIVE IN Jan. SCHEDULE - - - - - -						
PREVIOUS PERIOD ADJUSTMENTS - - - - - - - -						CURRENT CLASSIFICATION N TO

RECEIVED
JAN 2 1974
O. C. C.
ARTESIA, OFFICE

NOTICE OF SHUT-IN

The following described well has been Shut-in for Failure of Compliance:

Purchaser _____ Pool _____ Date _____
Operator _____ Lease _____
Well No. _____ Unit Letter _____ Sec. _____ Twp. _____ Rnge. _____
Effective date of Shut-in _____ Reason for Shut-In _____

A. L. PORTER, Jr., *Director*

By _____

RECEIVED

NEW MEXICO
OIL CONSERVATION COMMISSION

MAY 22 1975

P. O. BOX 2088

SANTA FE, NEW MEXICO

O. C. C.
ARTESIA, OFFICE

GAS SUPPLEMENT NO. (~~NW~~) (SE) SE-4184 DATE May 15, 1975

NOTICE OF WELL CONNECTION OR AUTHORITY TO ASSIGN ALLOWABLE

ALL VOLUMES EXPRESSED IN MCF

The operator of the following well has complied with all the requirements of the Oil Conservation Commission and may be assigned an allowable as shown below.

Date of Connection _____ Date of First Allowable or Allowable Change _____

Purchaser Transwestern- Llano Pool South Carlsbad Morrow

Operator Cities Service Oil Company Lease Spencer A

Well No. 1 Unit Letter O Sec. 30 Twp. 22S Rnge. 27E

Dedicated Acreage _____ Revised Acreage _____ Difference _____

Acreage Factor _____ Revised Acreage Factor _____ Difference _____

Deliverability _____ Revised Deliverability _____ Difference _____

A x D Factor _____ Revised A x D Factor _____ Difference _____

DIST. #

Production Correction by Llano letter May 12, 1975

CALCULATION OF SUPPLEMENTAL ALLOWABLE

MONTH	% OF MO.	PREV. ALLOW.	REV. ALLOW.	PREV. PROD.	REV. PROD.	REMARKS
JANUARY						
FEBRUARY						
MARCH	1975			10,567	2132	Difference of 8435-
APRIL						
MAY						
JUNE						
JULY						
AUGUST						
SEPTEMBER						
OCTOBER						
NOVEMBER						
DECEMBER						
TOTALS						
ALLOWABLE PRODUCTION DIFFERENCE - - - - - -						
March SCHEDULE O/U STATUS - - - - - -						
REVISED March O/U STATUS - - - - - -						
EFFECTIVE IN June SCHEDULE - - - - -						
PREVIOUS PERIOD ADJUSTMENTS - - - - - - - -						CURRENT CLASSIFICATION M TO

NOTICE OF SHUT-IN

The following described well has been Shut-in for Failure of Compliance:

Purchaser _____ Pool _____ Date _____

Operator _____ Lease _____

Well No. _____ Unit Letter _____ Sec. _____ Twp. _____ Rnge. _____

Effective date of Shut-in _____ Reason for Shut-In _____

A. L. PORTER, Jr., *Director*

By _____

DISTRIBUTION		
SANTA FE	1	
FILE	1	V
U.S.G.S.		
LAND OFFICE		
TRANSPORTER OIL	1	
TRANSPORTER GAS	3	
OPERATOR	1	
PRORATION OFFICE		

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

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

RECEIVED
OCT 29 1976
O. C. C.
ARTESIA, OFFICE

I.

Operator: Cities Service Oil Company

Address: P. O. Box 1919, Midland, Texas 79701

Reason(s) for filing (Check proper box)
- New Well [ ]
- Recompletion [ ]
- Change in Ownership [ ]
- ~~Change in~~ Additional Transporter of:
  - Oil [ ]
  - Casinghead Gas [ ]
  - Dry Gas [X]
  - Condensate [ ]

Other (Please explain): Triple Conn. add DGT - EPG

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

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Spencer A	1	Carlsbad, Morrow South	State, Federal or Fee Fee	

Location: Unit Letter O ; 660 Feet From The South Line and 1980 Feet From The East

Line of Section 30 Township 22-S Range 27-E , NMPM, Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil [ ] or Condensate [ ]: The Permian Corporation	Address (Give address to which approved copy of this form is to be sent): Box 1183, Houston, Texas 77001
Name of Authorized Transporter of Casinghead Gas [ ] or Dry Gas [X]: Llano, Inc. (38.09524%); Transwestern PL Co. (49.20635%); El Paso Nat. Gas Co. (12.69841%)	Address (Give address to which approved copy of this form is to be sent): Box 1320-Hobbs, NM 88240; Box 2525, Houston, TX 77001; Box 1384, Jal, NM 88240
If well produces oil or liquids, give location of tanks. Unit O Sec. 30 Twp. 22-S Rge. 27-E	Is gas actually connected? *Yes **No yes When *Llano-9/24/71 *Transwestern-11/11/71 **El Paso 10-22-76

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

IV. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Perforations			Depth Casing Shoe

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

V. TEST DATA AND REQUEST FOR ALLOWABLE

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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 - Bbls.	Gas - MCF

GAS WELL

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

VI. CERTIFICATE OF COMPLIANCE

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

E Spilder
(Signature)
Region Operations Manager
(Title)
October 27, 1976
(Date)

OIL CONSERVATION COMMISSION

APPROVED NOV 1 1976, 19

BY W. A. Gressett

TITLE SUPERVISOR, DISTRICT II

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.

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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

RECEIVED

OCT 28 1976

O. C. C.
ARTESIA, OFFICE

OIL CONSERVATION COMMISSION

P. O. DRAWER DD

ARTESIA, NEW MEXICO 88210

NOTICE OF GAS CONNECTION

Date October 26, 1976

This is to notify the Oil Conservation Commission that connection for the purchase of gas from the Cities Service Oil Co. (Operator)

Spencer A #1 (Morrow) (Lease), 0 (Well & Unit), 30-22-27 (S.T.R.)

South Carlsbad Morrow (Pool), El Paso Natural Gas Co. (Name of Purchaser)

was made on October 22, 1976.

El Paso Natural Gas Co.
Purchaser

Representative

Gas Production Status Analyst
Title

TRE: bl

cc: To operator
Oil Conservation Commission - Santa Fe

T. J. Crutchfield
H. P. Logan
Proration
File

Form 15-36A (11-65)

EL PASO NATURAL GAS COMPAN

DATE November 9 19 76

ADVICE ON WELLS TIED INTO GAS GATHERING SYSTEMS

Name of Producer	Cities Service Oil Co. (1280)
Well Name and Number	Spencer A #1 (Morrow)
Location	660'S, 1980'E, Sec. 30, T-22-S, R-27-E, Eddy Co., NM
Pool Name	South Carlsbad
Producing Formation	Morrow
Top of Gas Pay	11401
Oil or Gas Well	Gas
Gas Unit Allocation	320 Acres S 1/2
Date Tied Into Gathering Systems	October 22, 1976
Date of First Delivery	November 3, 1976
Gas Gathering System	Carlsbad Gathering Co.
Processed through Gasoline Plant (yes or no)	No
Station Number	61-723-01

RECEIVED
NOV 12 1976
O. C. C.
ARTESIA, OFFICE

Remarks:

By: Jimmie R. Elliott, Dispatching

5

OIL CONSERVATION COMMISSION
STATE OF NEW MEXICO
P. O. BOX 2088 - SANTA FE 87501

AS
SUPPLEMENT
NUMBER ..... (XX) (SE) AR-384

DATE 11-1-76

NOTICE OF ASSIGNMENT OF ALLOWABLE TO A GAS WELL

The operator of the following well has complied with all the requirements of the Oil Conservation Commission and the well is hereby assigned an allowable as shown below.

Date of Connection _____ Date of First Allowable or Allowable Change _____
Purchaser LI, TWP & EPG Pool South Carlsbad Morrow
Operator Cities Service Oil Co. Lease Spencer A
Well No. 1 Unit Letter O Sec. 30 Twp. 22 Range 27
Dedicated Acreage 315 Revised Acreage _____ Difference _____
Acreage Factor .98 Revised Acreage Factor _____ Difference _____
Deliverability _____ Revised Deliverability _____ Difference _____
A x D Factor _____ Revised A x D Factor _____ Difference _____

Triple Connection
LI 9-24-71
TWP 11-11-71
EPG 10-22-76

W. A. Gressett OCC District No. 2

CALCULATION OF SUPPLEMENTAL ALLOWABLE

MONTH	% OF MO.	PREV. ALLOW.	REV. ALLOW.	PREV. PROD.	REV. PROD.	REMARKS
January						
February						
March						
April						
May						
June						RECEIVED
July						
August						NOV 15 1976
September						
October						O. C. C. ARTESIA, OFFICE
November						
December						
TOTALS						

Previous Status Adjustments .....
Allowable Production Difference .....
Sept. Schedule O.U Status .....
Revised Sept. O/U Status .....

Effective In Dec. Schedule
Current Classification M To M

Note: All gas volumes are in MCF @ 15.025 psia.

JOE D. RAMEY, *Secretary – Director*

By _____

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LAND OFFICE		
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NEW MEXICO OIL CONSERVATION COMMISSION

MAY 13 1977

O. C. C.
ARTESIA, OFFICE

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

5a. Indicate Type of Lease: State ☐ Fee ☒

5. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Farm or Lease Name: Spencer "A"

9. Well No.: 1

10. Field and Pool, or Wildcat: So. Carlsbad (Morrow)

12. County: Eddy

SUNDRY NOTICES AND REPORTS ON WELLS

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

OIL WELL ☐ GAS WELL ☒ OTHER-

2. Name of Operator: Cities Service Oil Company

3. Address of Operator: P. O. Box 1919, Midland, Texas 79702

4. Location of Well: UNIT LETTER O, 660 FEET FROM THE South LINE AND 1980 FEET FROM THE East LINE, SECTION 30 TOWNSHIP 22S RANGE 27E NMPM.

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

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☐	
OTHER Perforate additional Morrow Zone ☒		OTHER ☐	

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

T.D. 11,820'. P.B.T.D. 11,764'. Morrow Perfs. 11,401'.-11,470'.

1. MIRU double derrick and NU BOP.
2. Pull tubing string with dual packer.
3. GIH with packer picker on drilling assembly and cut over Model D at 10,463' and retrieve.
4. GIH with 6-1/8" RB on drilling assembly and CO to top of 5" liner @ 10,504. CHC and POOH.
5. GIH with 4-1/4" RB on drilling assembly and CO to PBTD 11,764'. CHC and spot perforating acid 11,675' to 11,500'. POOH.
6. Perforate Morrow 2 SPF at various intervals between 11,511' to 11,670'.
7. Run gauge ring to 11,500' and then set 5" Model D packer at 11,490' with mill out extension and 1.78" ID Type R profile nipple below packer.
8. GIH with Model D seal assembly, two joints 2-3/8" tubing, PSI 1.81" ID Model L sliding sleeve, three joints 2-3/8" tubing, 5" Baker Loc-Set packer (1.978" ID bore) on 2-3/8" tubing. Land seal assembly in Model D packer and set Loc-Set packer. NU wellhead.
9. Swab in new Morrow perfs and test natural.
10. If stimulation is necessary, acidize new Morrow perforations 11,511' to 11,670'. (over)

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

SIGNED J. W. Gorsuch TITLE Region Operations Manager DATE May 10, 1977

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE MAY 13 1977

CONDITIONS OF APPROVAL, IF ANY:

11. Backflow treatment and test well and put on production.

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OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

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

5a. Indicate Type of Lease
State [ ] Fee [X]

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

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

7. Unit Agreement Name

1. OIL WELL [ ] GAS WELL [X] OTHER-

8. Farm or Lease Name
Spencer "A"

2. Name of Operator
Cities Service Oil Company

9. Well No.
1

3. Address of Operator
P. O. Box 1919, Midland, Texas 79702

10. Field and Pool, or Wildcat
South Carlsbad (Morrow

4. Location of Well
UNIT LETTER O , 660 FEET FROM THE South LINE AND 1980 FEET FROM THE East LINE, SECTION 30 TOWNSHIP 22S RANGE 27E NMPM.

15. Elevation (Show whether DF, RT, GR, etc.)
3184' GR

12. County
Eddy

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK [ ]	PLUG AND ABANDON [ ]	REMEDIAL WORK [ ]	ALTERING CASING [ ]
TEMPORARILY ABANDON [ ]		COMMENCE DRILLING OPNS. [ ]	PLUG AND ABANDONMENT [ ]
PULL OR ALTER CASING [ ]	CHANGE PLANS [ ]	CASING TEST AND CEMENT JOB [ ]	
OTHER [ ]		OTHER Perforate additional Morrow Zone [X]	

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

T.D. 11,820'. P.B.T.D. 11,764'. 11,511'-11,670' & 11,401' -11,470'. Moved in unit to pull tubing & packer. Could not release packer at 10,269'. Fished packer at 10,269'. Cleaned out to 11,764'. Blanked off perforations 11,401'-11,470'. Spotted 150 gallons of acetic acid from 11,500'-11,675'. Perforated Lower Morrow with 2 0.38" holes per foot @ 11,511', 11,512', 11,517', 11,518', 11,526', 11,527', 11,532', 11,533', 11,534', 11,535', 11,536', 11,542', 11,543', 11,636', 11,637', 11,638', 11,660', 11,662', 11,665', 11,666', 11,667', 11,668', 11,669', & 11,670'. Set 5" Model D packer at 11,490' with bottom of mule shoed sub at 11,516'. Shut well in. 40 hour SITP 0#. Swabbed 30 BLW in 7 hours. Well kicked off flowing. Recovered Shut well in. 40 hour SITP 0#. Swabbed 30 BLW in 7 hours. Well kicked off flowing. Recovered 28 BLW in 3 hours w/GR 55 MCFD on 1" choke, FTP 5#. Acidized perforations 11,511'-11,670' with 6250 gallons of 7-1/2% acid with 60 7/8" RCNCB's and 1000 SCF N_2/bbl. Recovered load. From perforations 11,511'-11,670' produced 22 barrels of water, GR 306 MCFD on 1" choke. FTP 25#. From perforations 11,401'-11,470' & 11,511'-11,670' produced trace of distillate, no water, GR 350 MCFD on 1" choke. FTP 480#.

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

SIGNED E. Spencer TITLE Region Operations Manager DATE 6/13/77

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO
P. O. DRAWER DD - ARTESIA
88210

MEMBER
JOE D. RAMEY

LAND COMMISSIONER
PHIL R. LUCERO

STATE GEOLOGIST
EMERY C. ARNOLD

July 1, 1977

Cities Service Oil Company
P. O. Box 1919
Midland, TX 79702

ATTENTION: MR. WILDER

Re: Spencer A #1-O
Sec. 30-22-27, Eddy
County, NM

Gentlemen:

We are returning the enclosed Forms C-103 on the subject well for additional information.

Please show how the perforations from 11401-11470 are blanked off and the status of the Strawn perfs.

Sincerely yours,

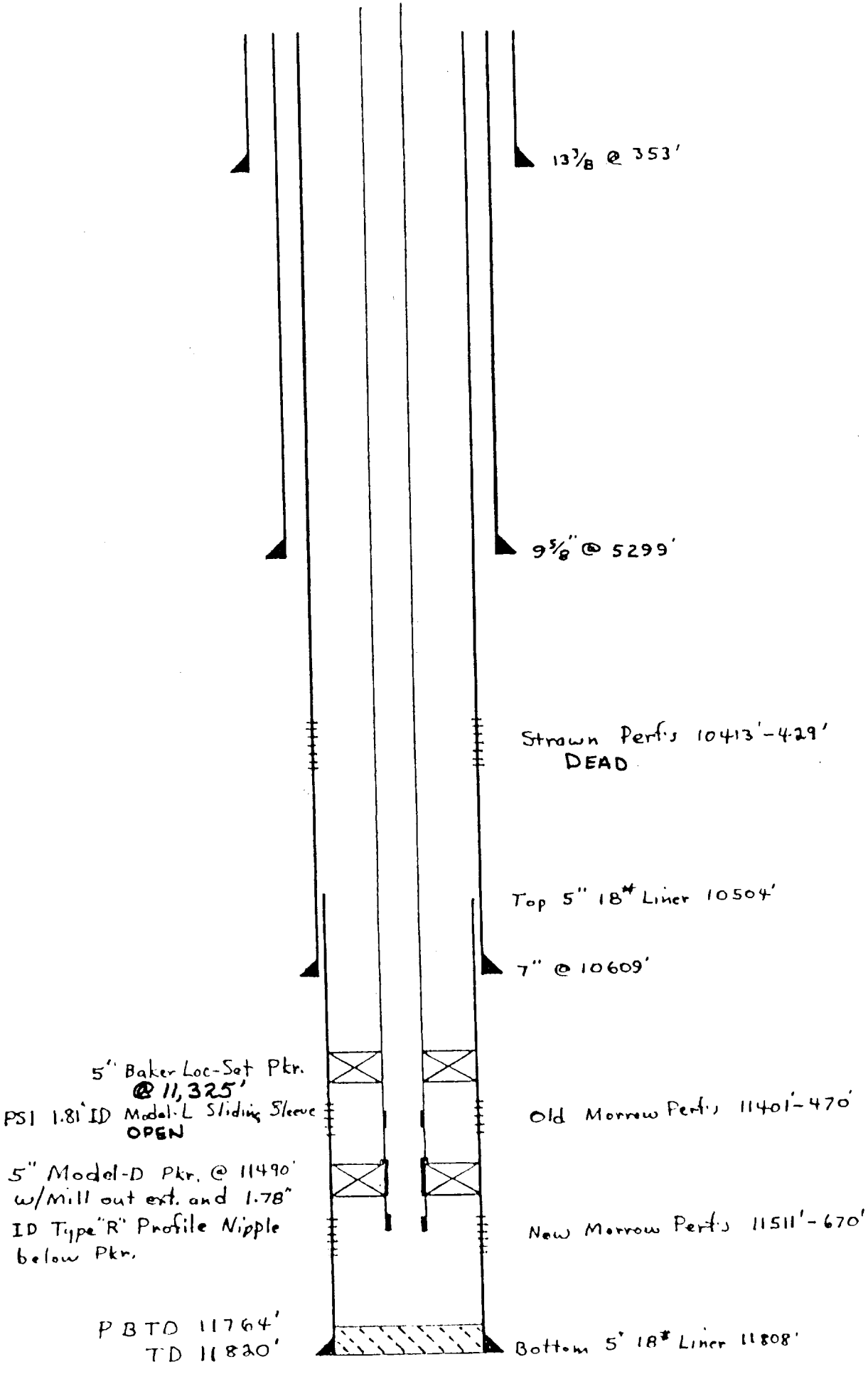
W. A. Gressett
Supervisor, District II

WAG:jw
Encl.

7-6-77
Info rec'd

Spencer-A No. 1

New Completion Installation



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FILE	1	✓
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LAND OFFICE		
OPERATOR	1	

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JUN 15 1977
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ARTESIA, OFFICE

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

5a. Indicate Type of Lease: State [ ] Fee [X]
5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL [ ] GAS WELL [X] OTHER-
7. Unit Agreement Name
2. Name of Operator: Cities Service Oil Company
6. Farm or Lease Name: Spencer "A"
3. Address of Operator: P. O. Box 1919, Midland, Texas 79702
9. Well No.: 1
4. Location of Well: UNIT LETTER O, 660 FEET FROM THE South LINE AND 1980 FEET FROM THE East LINE, SECTION 30, TOWNSHIP 22S, RANGE 27E, NMPM.
10. Field and Pool, or Wildcat: South Carlsbad (Morrow
15. Elevation (Show whether DF, RT, GR, etc.): 3184' GR
12. County: Eddy

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK [ ]	PLUG AND ABANDON [ ]	REMEDIAL WORK [ ]	ALTERING CASING [ ]
TEMPORARILY ABANDON [ ]		COMMENCE DRILLING OPNS. [ ]	PLUG AND ABANDONMENT [ ]
PULL OR ALTER CASING [ ]	CHANGE PLANS [ ]	CASING TEST AND CEMENT JOB [ ]	
OTHER [ ]		OTHER Perforate additional Morrow Zone [X]	

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

T.D. 11,820'. P.B.T.D. 11,764'. 11,511'-11,670' & 11,401' -11,470'. Moved in unit to pull tubing & packer. Could not release packer at 10,269'. Fished packer at 10,269'. Cleaned out to 11,764'. Blanked off perforations 11,401'-11,470'. Spotted 150 gallons of acetic acid from 11,500'-11,675'. Perforated Lower Morrow with 2 0.38" holes per foot @ 11,511', 11,512', 11,517', 11,518', 11,526', 11,527', 11,532', 11,533', 11,534', 11,535', 11,536', 11,542', 11,543', 11,636', 11,637', 11,638', 11,660', 11,662', 11,665', 11,666', 11,667', 11,668', 11,669', & 11,670'. Set 5" Model D packer at 11,490' with bottom of mule shoed sub at 11,516'. Shut well in. 40 hour SITP 0#. Swabbed 30 BLW in 7 hours. Well kicked off flowing. Recovered 28 BLW in 3 hours w/GR 55 MCFD on 1" choke, FTP 5#. Acidized perforations 11,511'-11,670' with 6250 gallons of 7-1/2% acid with 60 7/8" RCNCB's and 1000 SCF N_2/bbl. Recovered load. From perforations 11,511'-11,670' produced 22 barrels of water, GR 306 MCFD on 1" choke. FTP 25#. From perforations 11,401'-11,470' & 11,511'-11,670' produced trace of distillate, no water, GR 350 MCFD on 1" choke. FTP 480#.

4½" Baker Lok-set Pkr @ 11325

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

SIGNED E. Spulder TITLE Region Operations Manager DATE 6/13/77

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE JUL 20 1977

CONDITIONS OF APPROVAL, IF ANY:

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TRANSPORTER GAS	3	
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NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

RECEIVED

JUN 16 1977

O. C. C.
ARTESIA, OFFICE

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

I.

Operator: Cities Service Company

Address: P.O. Box 1919 - Midland, Texas 79702

Reason(s) for filing (Check proper box)

- New Well ☐
- Recompletion ☐
- Change in Ownership ☒
- Change in Transporter of: Oil ☐ Dry Gas ☐ Casinghead Gas ☐ Condensate ☐

Other (Please explain): Change of Operator's name is effective July 1, 1977.

If change of ownership give name and address of previous owner: Cities Service Oil Company - P.O. Box 1919 - Midland, Texas 79702

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Spencer A	1	Carlsbad Morrow South	State, Federal or Fee Fee	-

Location: Unit Letter O ; 660 Feet From The South Line and 1980 Feet From The East Line of Section 30 Township 22S Range 27E , NMPM, Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☒	Address (Give address to which approved copy of this form is to be sent)
None	
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒	Address (Give address to which approved copy of this form is to be sent)
Reliance, Inc.	Box 1320 - Hobbs, New Mexico 88240
Transwestern Pipeline Co.	Box 2525 - Houston, Texas 77001

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	O	30	22S	27E	Yes	9-24-71
						11-11-71

Reliance Natural Gas Co. - Box 1384 - Hobbs, New Mexico 88240 10-22-76

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

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Resv.	Diff. Resv.

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Perforations			Depth Casing Shoe

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

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

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 - Bbls.	Gas - MCF

GAS WELL

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

VI. CERTIFICATE OF COMPLIANCE

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

(Signature)
Region Operations Manager
(Title)
6/10/77
(Date)

OIL CONSERVATION COMMISSION

APPROVED JUL 20 1977, 19

BY W. A. Gressett

TITLE SUPERVISOR, DISTRICT II

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

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

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

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

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

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NEW MEXICO OIL CONSERVATION COMMISSION

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MAY 1 1978

O. C. C.

ARTESIA, OFFICE

Form C-101
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State [ ] Fee [X]

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

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

7. Unit Agreement Name

1. OIL WELL [ ] GAS WELL [X] OTHER-

2. Name of Operator
Cities Service Company

8. Farm or Lease Name
Spencer "A"

3. Address of Operator
P. O. Box 1919, Midland, Texas

9. Well No.
1

4. Location of Well
UNIT LETTER 0 , 660 FEET FROM THE South LINE AND 1980 FEET FROM THE East LINE, SECTION 30 TOWNSHIP 22S RANGE 27E NMPM.

10. Field and Pool, or Wildcat
So. Carlsbad (Strawn)

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

12. County
Eddy

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK [ ]	PLUG AND ABANDON [ ]	REMEDIAL WORK [ ]	ALTERING CASING [ ]
TEMPORARILY ABANDON [ ]		COMMENCE DRILLING OPNS. [ ]	PLUG AND ABANDONMENT [ ]
PULL OR ALTER CASING [ ]	CHANGE PLANS [ ]	CASING TEST AND CEMENT JOB [ ]	
OTHER Abandon Morrow & Test Additional Strawn zone [X]		OTHER [ ]	

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

T. D. 11,820' P.B. T. D. 11,764

1. MIRU pulling unit. Kill well w/2% KCL water. ND tree. NU BOP.
2. Release Baker Lok-Set packer @ 11,325' and release tubing from Baker Model D Packer @ 11,490'.
3. Set CIBP on wireline at approximately 11,350' to P&A Morrow. Dump 35' cement on top of bridge plug. New PBTD Should be 11,315'.
4. Set CIBP on wireline at approximately 10,390' to P&A Strawn. Dump 35' cement on top of bridge plug.
5. Circulate hole w/2% KCL water. Spot 50 gallons acetic acid 10,300 - 10,350'.
6. Perforate Strawn 10,323' to 10,331' using 4" casing gun and 2 shots/ft.
7. RIH w/muleshoed tubing sub and Baker Lok-Set packer on 2-3/8" Buttress tubing and set packer at approximately 10,250'. Swab well in.
8. Test well natural.
9. If necessary, acidize well.
10. Backflow treatment and test.

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

SIGNED E. Guilder TITLE Region Operation Mgr. DATE April 28, 1978

APPROVED BY W. A. Gressett TITLE DISTRICT II, DISTRICT II DATE MAY 2 1978

CONDITIONS OF APPROVAL, IF ANY:

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U.S.G.S.		
LAND OFFICE		
OPERATOR	1	

O & G Eng. Com. 1

NEW MEXICO OIL CONSERVATION COMMISSION

RECEIVED
JUN - 9 1978
O. C. C.
ARTESIA, OFFICE

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL [ ] GAS WELL [XX] OTHER-

2. Name of Operator
Cities Service Company ✓

3. Address of Operator
P.O. Box 1919 Midland, TX 79702

4. Location of Well
UNIT LETTER O, 660 FEET FROM THE South LINE AND 1980 FEET FROM THE East LINE, SECTION 30 TOWNSHIP 22-S RANGE 27-E NMPM.

5a. Indicate Type of Lease: State [ ] Fee [X]

5. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Farm or Lease Name
Spencer "A"

9. Well No.
1

10. Field and Pool, or Wildcat
So. Carlsbad Strawn

15. Elevation (Show whether DF, RT, GR, etc.)
3184 GR

12. County
Eddy

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK [ ]	PLUG AND ABANDON [ ]	REMEDIAL WORK [ ]	ALTERING CASING [ ]
TEMPORARILY ABANDON [ ]		COMMENCE DRILLING OPNS. [ ]	PLUG AND ABANDONMENT [ ]
PULL OR ALTER CASING [ ]	CHANGE PLANS [ ]	CASING TEST AND CEMENT JOB [ ]	
OTHER [ ]		OTHER Abandon Morrow & test additional Strawn zone.	[X]

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

T.D. 11820'; PBTD 10,355', upper Strawn perfs 10323-10,331'.

MIRU pulling unit, kill well W/50 BW. Set 5" CIBP on WL at 11,350' and dumped 35' cmt on top. Set 7" CIBP at 10,390' and dumped 35' cmt on top. WOC 48 hrs. Circulated hole w/ 9#/gal. 2% KCl cut BW. Spotted 50 gals 10% Acetic acid 10,350- 10,300'. Jet perf upper Strawn Limestone using 4" csg gun 2 shots/interval 10,323, 10,325, 10,326, 10,328, 10,329 and 10,331. Total 12 0.48" holes W/19" penetration. Ran tbg. Set Pkr @ 10,251.70' in 10 Pts tension. ND BOP. NU tree. Tested annulus and pkr to 500# - ok. Swbd 61 BLW in 3-1/2 hrs. Well swbd dry, no gas. RU Western Co. tree saver. Acidized Strawn perfs 10,323-10,331' W/3000 gals 15% HCl W/additives. FLWD 4 PT test as follows:

TIME	GAS RATE MCFD	CHOKE	FTP	BP
1 hr	403	8/64"	2290#	468#
1 hr	573	10/64"	2186#	470#
1 hr	755	12/64"	2009#	470#
1 hr	948	14/64"	1845#	473#

Rec 4 BBLS 57 Gravity distillate during 4 hr flow period. CAOF 1,112 MCF/DAY, EST. 24 BBLS. distillate/Day.

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

SIGNED D. E. Lasley TITLE Region Operations Manager DATE June 7, 1978

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE JUN 13 1978

CONDITIONS OF APPROVAL, IF ANY:

OIL CONSERVATION COMMISSION
STATE OF NEW MEXICO
P. O. BOX 2088 – SANTA FE 87501

GAS
SUPPLEMENT
NUMBER ..... XXXX (SE) AR 454

DATE 6-13-78

NOTICE OF ASSIGNMENT OF ALLOWABLE TO A GAS WELL

The operator of the following well has complied with all the requirements of the Oil Conservation Commission and the well is hereby assigned an allowable as shown below.

Date of Connection _____ Date of First Allowable or Allowable Change _____
Purchaser EPG , TWP & L I Pool South Carlsbad Morrow
Operator Cities Service Co. Lease Spencer A
Well No. 1 Unit Letter O Sec. 30 Twp. 22 Range 27
Dedicated Acreage 315 Revised Acreage _____ Difference _____
Acreage Factor .98 Revised Acreage Factor _____ Difference _____
Deliverability _____ Revised Deliverability _____ Difference _____
A x D Factor _____ Revised A x D Factor _____ Difference _____

W. A. Gressett OCC District No. II

Drop from schedule
Zone P&A 5-20-78

CALCULATION OF SUPPLEMENTAL ALLOWABLE

MONTH	% OF MO.	PREV. ALLOW.	REV. ALLOW.	PREV. PROD.	REV. PROD.	REMARKS
January						
February						
March						RECEIVED
April						
May						JUN 28 1978
June						
July						O. C. C. ARTESIA, OFFICE
August						
September						
October						
November						
December						
TOTALS						
Previous Status Adjustments						
Allowable Production Difference						
April Schedule O U Status						
Revised April O/U Status						Effective In July Schedule
						Current Classification M To -0-

Note: All gas volumes are in MCF @ 15.025 psia.

JOE D. RAMEY, *Secretary – Director*

By _____

El Paso COMPANY

P.O. BOX 1384
JAL, NEW MEXICO 88252
PHONE: 505-395-2551

July 11, 1978

RECEIVED
JUL 18 1978
O. C. C.
ARTESIA, OFFICE

Oil Conservation Commission
State of New Mexico
P. O. Drawer DD
Artesia, NM 88210

Gentlemen:

This is to advise that on July 11, 1978 the Cities Service Oil Company's Spencer A #1 (Morrow) gas well located in Unit O of Section 30, Township 22, Range 27, Eddy County, New Mexico was disconnected from El Paso Natural Gas Co.'s gathering system.

This disconnection was due to the South Carlsbad Morrow zone being plugged and abandoned.

Yours truly,

PERMIAN DIVISION DISPATCHING DEPARTMENT

Travis R. Elliott
Gas Production Status Analyst

TRE:bl

cc: Mr. James Kapteina, O.C.C., Santa Fe, NM
Proration Dept.
H. O. Whitt
Gas Purchases
Sam Smith
H. P. Logan
T. J. Crutchfield
Operator
Measurement
R.H. Barnett
Earl Smith
R. T. speer
Vernon Rogers
File

NEW MEXICO

OIL CONSERVATION DIVISION

P. O. DRAWER DD

ARTESIA, NEW MEXICO 88210

RECEIVED

DEC - 8 1978

O. C. C.
ARTESIA, OFFICE

NOTICE OF GAS DISCONNECTION

DATE December 6, 1978

THIS IS TO NOFITY THE OIL CONSERVATION DIVISION THAT DISCONNECTION OF GAS FROM THE

Cities Service Company ✓ (OPERATOR), Spencer "A" (LEASE),

1 0 (WELL-UNIT), 30-22S-27E (S-T-R), Carlsbad - Morrow South (POOL),

Llano, Inc. (NAME OF TRANSPORTER), WAS MADE ON December 4, 1978.

LLANO'S STATION NUMBER

31

LLANO, INC.
TRANSPORTER

O. K. Klaar
REPRESENTATIVE

MANAGER OF PETROLEUM AND
NATURAL GAS ENGINEERING
TITLE

xc: To Oil Conservation Division P. O. Box 2088 Santa Fe, New Mexico 87501
xc: To Operator

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-101
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

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

1 Operator Name and Address.	2 OGRID Number
OXY USA Inc. P.O. Box 50250 Midland, TX 79710	16696
	3 API Number 30 - 0 15-20401

4 Property Code	5 Property Name	6 Well No.
008638	Spencer A	1

7 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	30	22S	27E		660	South	1980	East	Eddy

8 Proposed Bottom Hole Location If Different From Surface

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

9 Proposed Pool 1	10 Proposed Pool 2
Wildcat	

11 Work Type Code	12 Well Type Code	13 Cable/Rotary	14 Lease Type Code	15 Ground Level Elevation
Plugback	Oil	N/A	Fee	3184'
16 Multiple	**17 Proposed Depth**	**18 Formation**	**19 Contractor**	**20 Spud Date**
N/A	7500'	Bone Springs	N/A	6/5/95

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2"	13 3/8"	48#	353'	380	Surface-Circ
12 1/4"	9 5/8"	36-40#	5299'	2160	" "
8 3/4"	7"	23-26#	10609'	380	TS-7800'
6 3/4"	5"	18#	10504-11808'	110	10504'

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

TD - 11820' PBTD - 10355' Perfs - 10323'-10331'

It is proposed to Plug the Carlsbad Strawn, South (74120) and test the Bone Springs Sand as follows:

See other side

23 I hereby certify that the information given above is true and complete to the best of my knowledge and belief.	OIL CONSERVATION DIVISION
Signature:	Approved by:
Printed name: David Stewart	Title: ~~ORIGINAL SIGNED BY TIM W. GUM~~ DISTRICT II SUPERVISOR
Title: Regulatory Analyst	Approval Date: JUN 2 1995 Expiration Date:
Date: 5/30/95 Phone: 915-685-5717	Conditions of Approval: Attached ☐

MIRU rig. Kill well w/2% KCl. Kill annulus w/10 ppg [illegible]
BOP's.

2. Release Baker Lok-Set at 10,2[illegible] POOH & LD tbg. RU WL and RIH w/7" CIBP. Set CIBP at 10,275'.

3. ND BOP's. ND WH. Spear casing and pull or jack csg off slips.
   a) Landing jt is 7" 23#/ft N80. Max pull on csg = 309K, or 70% of joint yield. 35

4. RU WL and run free point. If casing is free to 7200', dump bail cmt on top of CIBP at 10,275'. TIH w/open-enced tbg and displace hole from 10,275' to 7500' w/100 bbls of 9 ppg plug mud. POOH w/tbg. RU WL and set another 7" CIBP at 7500' and dump 35' of cmt on top. 40
   a) If casing is stuck over lowermost zone of interest from ±6870' to 7025', it will be necessary to restore production from the Strawn. Upon Midland's approval, ND hyd. BOP's, land casing and set slips, NU WH, NU manual BOP's, TIH w/6" bit and 6 4-3/4" DC's and DO CIBP. Run production string and swab well in. PWOL.

5. RU choke manifold on annulus. NU 11" 5M Double hydraulic BOP's w/7" pipe and blind rams. PU 7" jet cutter and cut csg at 7200'. NU 7" swage and attempt to break circulation. Circulate hole w/±8.6 ppg LSND FW mud.
   a) Csg wt in air = 174K, with bouyancy~ 153K.

6. POOH w/csg. Have csg inspected on racks. End inspection w/threads should be sufficient. Body should be visually inspected. If csg is pitted, or it appears that most of the string will be culled, plan on running new 5-1/2", 15.5#, K-55.

7. RU Schlumberger and run CNL/GR/Cal from 7150' to 5300' (as per geologist's recommendations). POOH and PU rotary sidewall coring tool and take sidewall cores as per geologist's recommendations. POOH & RD WL. Wait on core analysis (12 to 24hrs). TIH w/8-3/4" bit and 6" DC's on 3-1/2" WS and condition hole.
   a) Wiper trip should be done at CMIC's discretion. If hole appears to be in good enough shape for cementing, it may be better to run 2-3/8" tbg in the hole for a kill string instead of picking up a 3-1/2" WS.

8. Plug well or continue with workover based on Midland's recommendation. If logs and sidewall cores look favorable, continue with step #9.

9. POOH & LD tbg. RU csg crew and run 7" csg. Run a guide shoe and float collar and 12 centralizers on csg. Land casing with last full jt (lay down old landing jt). Fill casing as necessary, but try to take advantage of bouyancy to reduce hook load while RIH.

10. Open 7" X 9-5/8" annulus and C&CM. Cement 7" csg with 150 sx of lightweight cmt followed by 155 sx of class "C" with additives (see attached cement recommendation). Displace cmt w/FW. RD cementers. Set slips & cut csg.
    a) Enough cement should be used bring TOC to 4800'.

11. ND BOP's and NU WH. RD Pride rig. Work should go on daylight basis from this point.

12. TIH w/6-1/8" bit on 2-3/8" tbg to FC. RU service company and pump a Mr. Clean job consisting of 750 gals of Xylene followed by 200 gals water followed by 750 gals of 15% Hcl. Reverse circulate at 2 bpm. Displace Mr. Clean with clean 2% Kcl. RD service company. POOH w/tbg.

13. RU WL. Run a bond log from PBTD to 4200'. PU 4" select fire csg guns and perforate the Bone Spring Sand as per geologist's recommendation based on logs. POOH and RD WL.

14. PU 7" PPI pkr and TIH on 2-3/8" tbg. RU service company and break down perforations using 1500 gals of 7-1/2% NEFE acid. PU ±50' above perfs and set pkr. Fish RFC and SV w/sand line. RU swab and swab back load.

15. Release PPI pkr and POOH.

16. RU BJ Services. Frac well w/70,000 gals of Spectra Frac G3000 containing 145,500 lbs of 16/30 Ottawa and 60,000 lb 16/30 Super LC resin coated sand. Pump the treatment at 20-25 bpm. See BJ's recommendation. SIFN

    ** Note Frac fluid should be treated with biocide for SRB's. Be sure activator is added for RC sand.

17. Open well to frac tank and bleed pressure gradually. When well dies, RU reverse unit and pwr swivel. PU blade bit and c/o to PBTD. POOH.

18. PU Baker Lok-Set w/2-3/8" SN on 2-3/8" tbg and TIH. Circulate pkr fluid and set pkr at ±6800'.

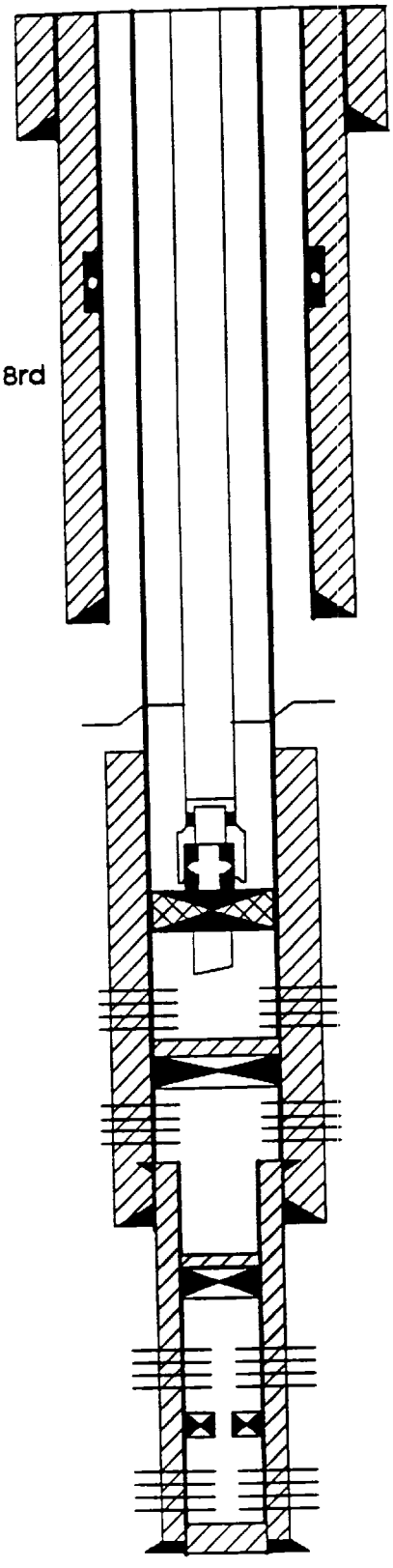
19. RU swab and swab well in. Flow well and allow to clean up. RD&R rig. Test well through stack pack.

SPENCER A #1

Current Configuration
Elevation: 17' KB

660' FSL & 1980' FEL
Sec 30 T22S R27E
Eddy Co., New Mexico

October 19, 1994



13-3/8", 48#, H-40 STC @ 353'
Cmt'd w/380 sx-circ'd

DV Tool at 1625'

Tubing: (Top to Bottom)

328 jts 2-3/8",4.7#,N80 EUE 8rd
Baker FL on/off tool
7" Baker Lok-Set
WL entry guide

9-5/8", 36 & 40#, K55 & N80
Set @ 5299'
Cmt'd w/2160 sx - circ'd

26# from 4455' to 7291'

29# from 7291' to 10,609'
TOC @ 7800' (Temp. Svy)

Baker Lok-Set @ 10,249'
Set in 6 pts tension

Strawn Perfs:
Upper: 10,323-31'

EOT @ 10,254'

CIBP @ 10,390' w/35' cmt

Lower: 10,413-29'

7", 29, 26 & 23#, N80 LT&C
Set at 10,609'
Cmt'd w/380 sx
CIBP @ 11,350' w/35' cmt

Morrow perfs:
Upper:11,401-470'

5", 18#, N-80 SFJP liner
Set @ 10,504' - 11,808'
Cmt'd w/110 sx
Baker Model D @ 11,490'

Lower: 11,511-670

PBTD: 11,764'
TD: 11,820'

Prepared By: Robert Elliott

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
30-015-20401	N/A	Wildcat

4 Property Code	5 Property Name	6 Well Number
008638	Spencer A	1

7 OGRID No.	8 Operator Name	9 Elevation
16696	OXY USA Inc.	3184'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	30	22S	27E		660	South	1980	East	Eddy

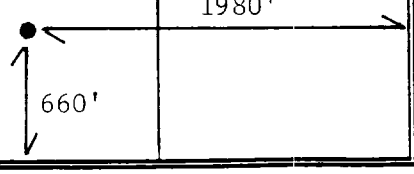
11 Bottom Hole Location If Different From Surface

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

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
40			

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

16



17 OPERATOR CERTIFICATION

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

Signature

David Stewart
Printed Name

Regulatory Analyst
Title

5/30/95
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 Surveyer:

Certificate Number

Submit 3 Copies to Appropriate District Office

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

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

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

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-103
Revised 1-1-89

WELL API NO. 30-015-20101

5. Indicate Type of Lease STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

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

7. Lease Name or Unit Agreement Name: Spencer A 008638

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

2. Name of Operator: OXY USA Inc. ✓ 16696

8. Well No. 1

3. Address of Operator: P.O. Box 50250 Midland, TX 79710

9. Pool name or Wildcat: Wildcat

4. Well Location
Unit Letter O : 660 Feet From The South Line and 1980 Feet From The East Line

Section 30 Township 22S Range 27E NMPM Eddy County

10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3184'

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	☐		
OTHER:	☐			OTHER: Recomplete & TA	☒		

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.

SEE OTHER SIDE

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

SIGNATURE [signature] TITLE Regulatory Analyst DATE 7/25/95

TYPE OR PRINT NAME David Stewart TELEPHONE NO. 9156855717

(This space for State Use)

APPROVED BY [signature] TITLE Petroleum Engineer DATE 8/10/95

CONDITIONS OF APPROVAL, IF ANY:

ATTACHMENT C-103
OXY USA INC.
SPENCER A #1
SEC 30 T22S R27E
EDDY COUNTY, NM

MIRU PU 6/5/95, KILL WELL W/ BW, NDWH, NUBOP. POOH W/ PKR & TBG. RIH W/ CIBP & SET @ 10275', DUMP 25' CMT ON TOP. RIH W/ 7" RTTS & 2-3/8" TBG & TAG UP @ TIGHT SPOT @ 5103', COULDN'T WORK THROUGH, SET PKR @ 5100', TEST CSG TO 500#, HELD OK, POOH. RIH & WORK THROUGH TIGHT SPOT. RIH W/ GR-CBL-VDL FROM 8000'-5000', TOC @ 7840', POOH. TIH & SPOT MUD PLUG FROM 10250' - 7200'. RIH & SET CIBP @ 7800', DUMP 35' CMT ON TOP, POOH. RIH W/ JET CUTTER TO 7210', SPEAR CSG & STRETCH TEST, FREE PIPE ABOUT 7800'. SHOT CSG OFF @ 7210', POOH W/ 7200' 7" 23-26-29# CSG. RIH W/ GR-DLL-CNL-FDC & LOG INTERVAL FROM 7205'-5300'. RIH & CUT SIDEWALL CORES FROM 6997,95,93,91,89, 87,85,83,81,79,71,70,65,60,59,58,48,47,45,43,25,11,6895,94,87,6430, 29,28,6383,70,54,31,25,15,6303,5982,81,80,5909,5855,5804'. OVERALL CORES EXHIBITED MILKY WHITE FLOURESCENCE. RIH W/ GR-DLL-MSFL-CNL-LDT-CAL FROM 7205'5300'. SI WO CORE EVALUATION. NOTIFIED NMOCD - KEN LIVINGSTON 6/13/95 OF P&A PLANS.

RIH W/ 2-3/8" TBG TO 7315', SPOT 75sx CL C CMT W/ 2% CACL2 ACROSS 7" CSG STUB, POOH TO 5000', WOC 4hrs. RIH & TAG CMT @ 7086', NMOCD - MIKE STUBBLEFIELD WITNESSED TAGGING & APPROVED TA PLANS. RIH W/ CR & SET @ 5191', EIR @ 2 BPM @ 900#, M&P 125sx CL C CMT W/ 2% CACL2 (75sx BELOW CR & 50sx ABOVE), POOH, WOC, SION. RIH & TAG CMT @ 5104', NMOCD - MIKE STUBBLEFIELD APPROVED, PRES CSG TO 350# FOR 30MIN, HELD OK, POOH, RDPU 6/15/95. SI WO ENGR EVALUATION.

Submit 3 Copies to Appropriate District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

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

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

OIL CONSERVATION DIVISION

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

WELL API NO. 30-015-20401

5. Indicate Type of Lease STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

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

7. Lease Name or Unit Agreement Name: Spencer A

008638

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

2. Name of Operator: OXY USA Inc. 16696

8. Well No. 1

3. Address of Operator: P.O. Box 50250 Midland, TX 79710

9. Pool name or Wildcat: Wildcat

4. Well Location
Unit Letter O : 660 Feet From The South Line and 1880 Feet From The East Line

Section 30 Township 22S Range 27E NMPM Eddy County

10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3184'

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	☐		
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.

SEE OTHER SIDE

RECEIVED
JUL 27 1995
OIL CONSERVATION DIV.

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

SIGNATURE _____ TITLE Regulatory Analyst DATE 7/25/95

TYPE OR PRINT NAME David Stewart TELEPHONE NO. 9156855717

(This space for State Use)

APPROVED BY ORIGINAL SIGNED BY TIM W. GUM DISTRICT II SUPERVISOR TITLE _____ DATE AUG 10 1995

CONDITIONS OF APPROVAL, IF ANY:

ATTACHMENT C-103
OXY USA INC.
SPENCER A #1
SEC 30 T22S R27E
EDDY COUNTY, NM

1. MIRU pulling unit. ND WH. NU BOP. PU 2 3/8" tbg & RIH and tag cmt plug @ 5104'.

2. POOH to 2700'. RU Service Co. & spot 200' cmt plug up to 2500'.

3. POOH to 1700'. Spot 200' cmt plug across DV tool up to 1500'.

4. POOH to 450'. Spot 200' cmt plug across 13 3/8" shoe up to 250'.

5. POOH w/ tbg. WOC 4 hrs. RIH & tag cmt plug @ 250'. POOH.

6. ND BOP. Spot 10 sx surface plug. RD Service Co. ND WH. Cut off 9 5/8" csg. Weld on plate & dry-hole marker. RD PU.

7. Rip & re-seed location.

Note: Plug & abandonment procedures were discussed & OK'd w/ NMOCD rep. Tim Gum from Artesia office.

NEW MEXICO OIL CONSERVATION DIVISION
P.O. DRAWER DD
ARTESIA, NEW MEXICO 88210

DATE November 28, 1995

OXY USA Inc.

P.O. Box 50250

Midland, TX 79710

Re: Plugging Reports

Gentlemen:

Form C-103 Report of Plugging for your Spencer A (Lease) #1 (Well No.) O-30-22S-27E (Ut. S-T-R) cannot be approved until an N.M.O.C.D. representative has made an inspection of the location and found it to be cleared to comply with Division Rules and Regulations. Please check each item in the space provided to indicate that the work has been done.

RECEIVED
DEC 08 1995
OIL CON. DIV.
DIST. 2

(X) 1. All pits have been filled and leveled.

(X) 2. Rat hole and cellar have been filled and leveled.

(X) 3. A steel marker 4" in diameter and approximately 4' above mean ground level has been set in concrete. It must show the quarter-quarter section or unit designation, section, township and range numbers which have been permanently stenciled or welded on the marker.

(X) 4. The location has been leveled as nearly as possible to original top ground contour and has been cleared of all junk and equipment.

(X) 5. The dead men and tie downs have been cut and removed.

(X) 6. If a one well lease or last remaining well on lease, the battery and burn pit locations have been leveled and cleared of all junk & equipment.

The above are minimum requirements and no plugging bond will be cancelled until all locations for plugged and abandoned wells have been inspected and Form C-103 approved

When all of the work outlined above has been done, please notify this office by filli in the blank form below and returning this letter to us so that our representative will not have to make more than one trip to the location.

OIL CONSERVATION DIVISION

Ray Smith

OIL AND GAS INSPECTOR

FILL IN BELOW AND RETURN

I certify that the above work has been done and the above mentioned lease is ready for your inspection and approval.

Robert P. Elliott

NAME

Operations Engineer

TITLE

Submit 3 Copies to Appropriate District Office

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

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

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

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-103
Revised 1-1-89

WELL API NO. 30-015-20401

5. Indicate Type of Lease STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

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

7. Lease Name or Unit Agreement Name: Spencer A 008638

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

2. Name of Operator: OXY USA Inc. 16696

8. Well No. 1

3. Address of Operator: P.O. Box 50250 Midland, TX 79710

9. Pool name or Wildcat

4. Well Location
Unit Letter O : 660 Feet From The South Line and 1980 Feet From The East Line
Section 30 Township 22S Range 27E NMPM Eddy County

10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3184'

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	☐		
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.

Prod ID - 12-1-95 P+A

MIRU PU 10/25/95, ND WH, NU BOP. RIH & TAG @ 5168', POOH TO 2706', NOTIFY NMOCD OF P&A. RIH & SPOT 75sx CL C CEMENT PLUG FROM 2706' - 2500'. POOH TO 1702', SPOT 75sx CL C CEMENT PLUG FROM 1702' - 1495'. POOH TO 446', SPOT 75sx CL C CEMENT PLUG FROM 446' - 240'. POOH TO 150', REVERSE OUT TBG, WOC. RIH & TAG CEMENT @ 260', POOH, ND BOP. SPOT 20sx CL C CEMENT PLUG FROM 45' TO SURFACE. NMOCD WITNESSED SPOTTING & TAGGING OF PLUG @ 446'. ND HANGER FLANGE, DIG OUT CELLAR, CUT OFF CSG & WH, WELD ON DRY HOLE MARKER. BACK FILL CELLAR, DIG UP ANCHORS & FLOWLINES, RDPU 10/28/95, WELL P&A'D.

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

SIGNATURE _____ TITLE Regulatory Analyst DATE 11/20/95

TYPE OR PRINT NAME David Stewart TELEPHONE NO. 9156855717

(This space for State Use)

APPROVED BY _____ TITLE Field Rep. I DATE 12-19-95

CONDITIONS OF APPROVAL, IF ANY:

DUAL OR MULTIPLE COMPLETION DATA SHEET

Citrus Source — Spencer # 1 — O-30-22-27

Operator — Well — S.T.R.

Order No. MC 1951 — Pools S. Carlsbad Morrow - Strawn

PACKER LEAKAGE TEST DATA

Test Date	Approval Date	Test Date	Approval Date
10-21-72	2-17-72		
11-30-12-2-73	12-10-73		
10-27-31-74	11-14-75		
10/7-10/77	10/17/77		
	[illegible]		

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

6-1-56

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FEB 11 1972

O. C. C.
ARTESIA, OFFICE

PACKER-SETTING AFFIDAVIT
(Dual Completions)

STATE OF New Mexico)
)ss
County of Eddy)

C. G. Taylor, being first duly sworn according to law, upon his oath deposes and says:

That he is of lawful age and has full knowledge of the facts herein below set out.

That he is employed by Cities Service Oil Company in the capacity of Production Foreman and as such is its authorized agent.

That on June 12, 19 71, he personally supervised the setting of a Baker Model "D" (Make and Type of Packer) in Cities Service Oil Company (Operator)'s Spencer "A" (lease) Well No. 1, located in Unit Letter O, Section 30, Township 22S, Range 27E, NMPM, Eddy County, New Mexico.

That said packer was set at a subsurface depth of 10,463 feet, said depth measurement having been furnished by C. G. Taylor.

That the purpose of setting this packer was to effect a seal in the annular space between the two strings of pipe where the packer was set so as to prevent the commingling, within the well-bore, of fluids produced from a stratum below the packer with fluids produced from a stratum above the packer. That this packer was properly set and that it did, when set, effectively and absolutely seal off the annular space between the two strings of pipe where it was set in such manner as that it prevented any movement of fluids across the packer.

Cities Service Oil Company
(Company)

C. G. Taylor
(its Agent)

Subscribed and sworn to before me this the 10th day of Feb., AD, 19 72.

Notary Public in and for the County of Lea.

My Commission Expires 3-1-72.

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O. C. C.
ARTESIA, OFFICE

THE APPLICATION OF CITIES SERVICE OIL COMPANY FOR A DUAL COMPLETION. ORDER NO. MC-1951

ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION COMMISSION

Under the provisions of Rule 112-A, Cities Service Oil Company made application to the New Mexico Oil Conservation on July 21, 1971, for permission to dually complete its Spencer A Well No. 1 located in Unit O of Section 30, Township 22 South, Range 27 East, NMPM, Eddy County, New Mexico, in such a manner as to produce gas from the South Carlsbad-Strawn Gas Pool and the South Carlsbad-Morrow Gas Pool.

Now, on this 10th day of August, 1971, the Secretary-Director finds:

(1) That application has been duly filed under the provisions of Rule 112-A of the Commission's Rules and Regulations;

(2) That satisfactory information has been provided that all operators of offset acreage have been duly notified; and

(3) That no objections have been received within the waiting period as prescribed by said rule.

(4) That the proposed dual completion will not cause waste nor impair correlative rights.

(5) That the mechanics of the proposed dual completion are feasible and consonant with good conservation practices.

IT IS THEREFORE ORDERED:

That the applicant herein, Cities Service Oil Company, be and the same is hereby authorized to dually complete its Spencer A Well No. 1 located in Unit O of Section 30, Township 22 South, Range 27 East, NMPM, Eddy County, New Mexico, in such a manner as to produce gas from the South Carlsbad-Strawn Gas Pool and the South Carlsbad-Morrow Gas Pool through parallel strings of tubing.

PROVIDED HOWEVER, That applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A.

PROVIDED FURTHER, That applicant shall take packer-leakage tests upon completion and annually thereafter during the Shut-in Pressure Test Period for the South Carlsbad-Morrow Gas Pool.

IT IS FURTHER ORDERED: That jurisdiction of this cause is hereby retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

NEW MEXICO OIL CONSERVATION COMMISSION

WELL LOCATION AND ACREAGE DEDICATION PLAT

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

All distances must be from the outer boundaries of the Section

Operator	Lease	Well No.
CITIES SERVICE OIL COMPANY	SPENCER A	1

Unit Letter	Section	Township	Range	County
O	30	22 SOUTH	27 EAST	EDDY

Actual Footage Location of Well:
660 feet from the SOUTH line and 1980 feet from the EAST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3180	~~Morrow~~ Strawn	So. Carlsbad ~~Morrow~~ Strawn	320 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

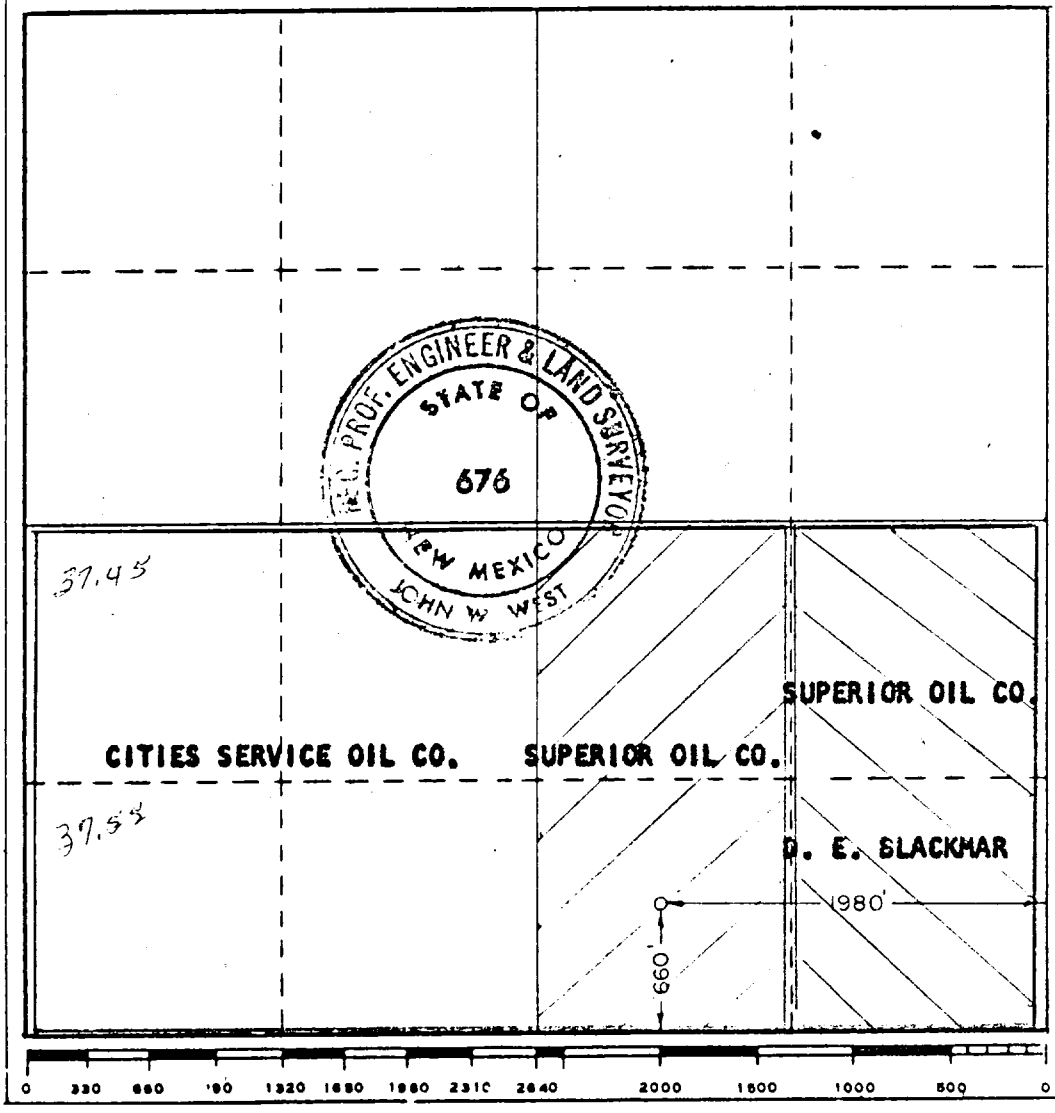
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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?

[X] Yes [ ] No If answer is "yes," type of consolidation **Designation of Unit dated 1-25-71**

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

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



CERTIFICATION

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

Name: W. C. Coffee

Position: **District Engineer**

Company: **Cities Service Oil Company**

Date: **3-17-71**

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

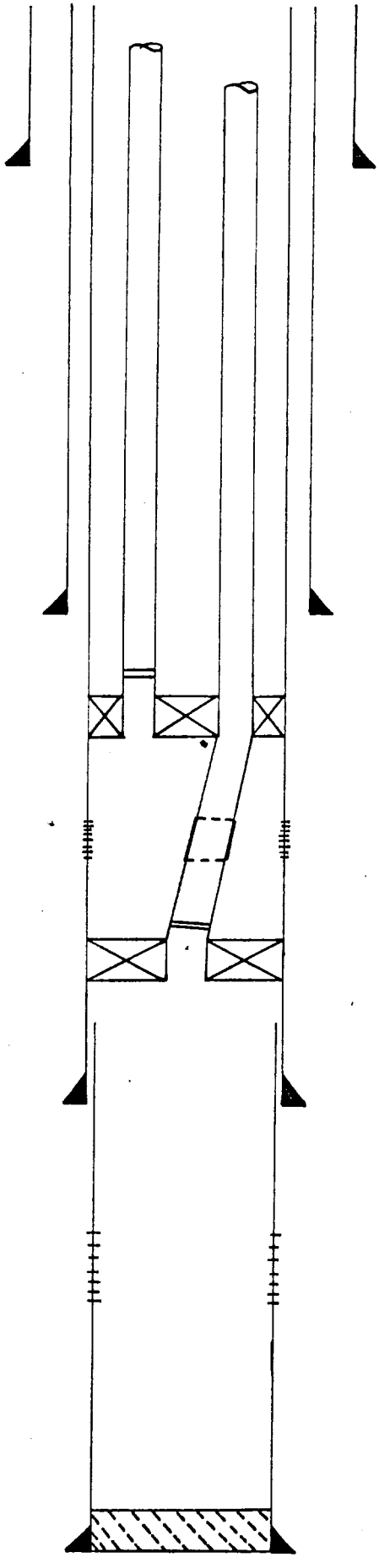
Date Surveyed: MARCH 16, 1971

Registered Professional Engineer and/or Land Surveyor: John W West

Certificate No. 676

SPENCER "A" #1

MULTIPLE COMPLETION INSTALLATION



13 3/8" casing @ 353

2 3/8" Strawn Tubing

2 3/8" Morrow Tubing

9 5/8" casing @ 5299

Baker PSI Nipple 1.87" I.D.

Dual Packer @ 10,269

Blast Joint centered across Strawn perfs.

Strawn perf. 10,413-29

Baker PSI Nipple 1.87" I.D.

Baker Model D Packer

Top of Liner @ 10,504

7" casing @ 10,609

Morrow perf. 11401-70

PBTD 11,764'
TD 11,820'

Bottom of Liner @ 11,808

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
APPLICATION FOR MULTIPLE COMPLETION

Form C-107
5-1-61

Operator	County	Date
CITIES SERVICE OIL COMPANY	EDDY	7-15-71
Address	**Lease**	**Well No.**
P.O. BOX 69, HOBBS, NEW MEXICO	SPENCER A	1

Location of Well	Unit	Section	Township	Range
	O	30	22S	27E

1. Has the New Mexico Oil Conservation Commission heretofore authorized the multiple completion of a well in these same pools or in the same zones within one mile of the subject well? YES X NO ____
2. If answer is yes, identify one such instance: Order No. R-4056 ; Operator Lease, and Well No.: Morris Antwell, Allen #1

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	STRAWN		MORROW
b. Top and Bottom of Pay Section (Perforations)	10413--10429		11401--11470
c. Type of production (Oil or Gas)	GAS		GAS
d. Method of Production (Flowing or Artificial Lift)	FLOWING		FLOWING

4. The following are attached. (Please check YES or NO)

Yes	No	
X		a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
X		b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
	X	c. Waivers consenting to such multiple completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.*
	X	d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed it shall be submitted as provided by Rule 112-A.) Logs submitted with Well Completion Report Form C-105

5. List all offset operators to the lease on which this well is located together with their correct mailing address.

Morris Antwell, P.O. Box 2010, Hobbs, New Mexico 88240

Corrina Grace, P.O. Box 2062, Santa Fe, New Mexico 87501

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O. C. C.
ARTESIA, OFFICE

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES ____ NO X . If answer is yes, give date of such notification ____.

CERTIFICATE: I, the undersigned, state that I am the District Manager of the CITIES SERVICE OIL COMPANY (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

E. Frankum
Signature

*Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard proration unit in one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

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U.S.G.S.		
LAND OFFICE		
OPERATOR	2	

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SEP 10 1971

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

5a. Indicate Type of Lease
State ☐ Fee ☒

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL ☐ GAS WELL ☒ OTHER-

7. Unit Agreement Name

2. Name of Operator
CITIES SERVICE OIL COMPANY ✓

8. Farm or Lease Name
SPENCER A

3. Address of Operator
P.O. BOX 69, Hobbs, New Mexico

9. Well No.
1

4. Location of Well
UNIT LETTER O, 660 FEET FROM THE South LINE AND 1980 FEET FROM THE East LINE, SECTION 30 TOWNSHIP 22S RANGE 27E NMPM.

10. Field and Pool, or Wildcat
S.Carlsbad Strawn (Undes'g)

15. Elevation *(Show whether DF, RT, GR, etc.)*
3184 Gr.

12. County
Eddy

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☐	
OTHER ☐		OTHER Completion Data (Strawn) ☒	

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

T.D. 11820 Shale, PB 11764. Well complete. This is a continuation of Strawn completion data. (see C-103 dated 7-16-71). Flowed from Strawn perfs (10413-10429) 1 bbl dist./24 thru 15/64" choke, FTP 550 psi, gas @ rate of 139 MCFD. The Strawn zone is completed in a limited reservoir with low capacity (139 MCFPD, FTP 550 psi on 15/64" choke). No multipoint test will be taken due to low pressure and capacity of well.

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

SIGNED ORIGINAL SIGNED C. T. ROBERTSON TITLE Dist. Admin. Supervisor DATE Sept. 7, 1971

APPROVED BY W. A. Gressett TITLE OIL AND G. S INSPECTOR DATE SEP 1 1971

CONDITIONS OF APPROVAL, IF ANY:

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LAND OFFICE		
OPERATOR		

Form C-105
Revised 1-1-65

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

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O. C. C.
ARTESIA, OFFICE

5a. Indicate Type of Lease: State ☐ Fee ☒
5. State Oil & Gas Lease No.

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Shut in
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER
7. Unit Agreement Name
8. Farm or Lease Name: SPENCER A
9. Well No.: 1
2. Name of Operator: CITIES SERVICE OIL COMPANY
10. Field and Pool, or Wildcat: S.Carlsbad Strawn (Undes.)
3. Address of Operator: P.O. BOX 69, Hobbs, New Mexico 88240
4. Location of Well: UNIT LETTER O LOCATED 660 FEET FROM THE South LINE AND 1980 FEET FROM THE East LINE OF SEC. 30 TWP. 22S RGE. 27E NMPM
12. County: Eddy

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Cashinghead
3-30-71	5-31-71	8-1-71 (shut in)	3184 GR	3182

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
11820	11764	2	→	0-TD 11820	-0-

24. Producing Interval(s), of this completion — Top, Bottom, Name: 10413-10429 - Strawn
25. Was Directional Survey Made: No
26. Type Electric and Other Logs Run: Laterolog, Microlaterolog, Microlog, Borehole Compensated, Sonic-Gamma Ray
27. Was Well Cored: No

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

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	48#	352.93	17 1/4"	380 sacks	--
9 5/8"	36 & 40#	5299	12 1/4"	1760 sacks	
7"	23, 26 & 29#	10609	8 3/4"	380 sacks	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
5"	10504	11808	78	

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8"	10269	

31. Perforation Record (Interval, size and number)
1 -- 0.41" hole each @ 10413, 10414, 10415, 10416, 10417, 10418, 10419, 10420, 10421, 10422, 10423, 10424, 10425, 10426, 10427, 10428, & 10429

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
10413-10429	Acid 4500 gals 15% Dowell Breakdown + 25 ball sealers, 10,000 gals 20% HCL, 7500 gals 2% KCL gelled brine pad, 8000 gals 2% KCL gelled brine

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping — Size and type pump)	Well Status (Prod. or Shut-in)
6-29-71	flowing	shut in

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas — Oil Ratio
7-31-71	24 hrs.	15/64		-0-	139	-0-	--

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)
500	--					

34. Disposition of Gas (Sold, used for fuel, vented, etc.): Well is shut in due to low pressure & capacity
Test Witnessed By: Brad Bennett

35. List of Attachments: Logs & deviation survey filed with Morrow completion dated 7-16-71.

36. 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.

SIGNED _____ TITLE Dist. Admin. Supervisor DATE Sept. 7-71

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission 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 30 through 34 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				Northwestern New Mexico			
T. Anhy		T. Canyon	10154	T. Ojo Alamo		T. Penn. "B"	
T. Salt		T. Strawn	10696	T. Kirtland-Fruitland		T. Penn. "C"	
B. Salt		T. Atoka		T. Pictured Cliffs		T. Penn. "D"	
T. Yates		T. Miss		T. Cliff House		T. Leadville	
T. 7 Rivers		T. Devonian		T. Menefee		T. Madison	
T. Queen		T. Silurian		T. Point Lookout		T. Elbert	
T. Grayburg		T. Montoya		T. Mancos		T. McCracken	
T. San Andres		T. Simpson		T. Gallup		T. Ignacio Qtzte	
T. Glorieta		T. McKee		Base Greenhorn		T. Granite	
T. Paddock		T. Ellenburger		T. Dakota		T.	
T. Blinebry		T. Gr. Wash		T. Morrison		T.	
T. Tubb		T. Granite		T. Todilto		T.	
T. Drinkard		T. Delaware Sand		T. Entrada		T.	
T. Abo		T. Bone Springs		T. Wingate		T.	
T. Wolfcamp	8770	T. Dean Sd.	8334	T. Chinle		T.	
T. Penn.		T. Morrow	11150	T. Permian		T.	
T. Cisco (Bough C)		T. Chester	11772	T. Penn. "A"		T.	

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
			(See Morrow Completion - Dated 7-16-71)				

Attachment -- Form C103
SPENCER A #1

DISPLACED W/56 BBLS 2% KCL BRINE WATER. MAX 6300 MIN 3900 AIR 2 B/M @ 500, I.S.I.P. 2900. SWABBED DRY TO SEATING NIPPLE AT 10400'. REPERFORATED MORROW ZONE WITH 11-- 0.21" HOLES AT THE FOLLOWING DEPTHS: 11401, 11404, 11406, 11446, 11448, 11450, 11454, 11463, 11465, 11468, and 11470. TREATED MORROW PERFS WITH 2500 GAL. SUPER MUD ACID MIXED WITH 15% ISOPROPYL ALCOHOL AND 20 BALL SEALERS, FOLLOWED BY 800 GAL. 10% HCL, FOLLOWED BY 1700 GAL 5% HCL CONTAINING CLAY STABILIZING AGENT. DISPLACED WITH 59 BBLS 2% KCL BRINE WATER. MAX. 3600 PSI, MIN. 3200 PSI, AIR 3 B/M @ 3200 PSI, I.S.I.P. 2700 PSI, 10 MIN S.I.P. 2000 PSI. FLOWED WELL AT 4 RATES TO DETERMINE C.A.O.F. AS REPORTED ON C-122. SUBMITTING APPLICATION FOR MULTIPLE COMPLETION ON C-107. ACIDIZED STRAWN WITH 10,000 GAL 20% HCL WITH POLYMER FRICTION REDUCER, PRECEDED BY 7500 GAL 2% KCL GELLED BRINE PAD, AND OVERFLUSHED WITH 8000 GAL 2% KCL GELLED BRINE. MAX 6000 PSI, AIR 5.1 B/M AT 5900 PSI. I.S.I.P. 4000 PSI, 10 MIN S.I.P. 3700 PSI. RECOVERING ACID LOAD FROM STRAWN ZONE. MULTIPOINT TEST (C-122) WILL BE SUBMITTED UPON COMPLETION OF TESTING.

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OPERATOR	2	

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JUL 19 1971
O. C. C.
ARTESIA, OFFICE

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

5a. Indicate Type of Lease State ☐ Fee ☒

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL ☐ GAS WELL ☒ OTHER-

7. Unit Agreement Name

2. Name of Operator
CITIES SERVICE OIL COMPANY

8. Farm or Lease Name
SPENCER A

3. Address of Operator
P.O. BOX 69, HOBBS, NEW MEXICO 88240

9. Well No.
1

4. Location of Well
UNIT LETTER 0 , 660 FEET FROM THE SOUTH LINE AND 1980 FEET FROM THE EAST LINE, SECTION 30 TOWNSHIP 22S RANGE 27E NMPM.

10. Field and Pool, or Wildcat
UNDES. S.CARLSBAD ~~MORROW~~ STRAWN

15. Elevation *(Show whether DF, RT, GR, etc.)*
3184 GR

12. County
EDDY

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☒
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☒	
OTHER ☐		OTHER Completion Data ☒	

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

TD 11820, PBTD 11764 MORROW, 7" CASING AT 10609. RAN 30 JOINTS (1304') 5" 18# N-80 super FLUSH JOINT "P" LINER. SET BOTTOM OF LINER AT 11808. TOP OF LINER AT 10504 W/BOT COMB. PACKER HANGER. CEMENTED WITH 110 SAX CLASS C W/1% CFR-2 AND 0.5% HALAD 9. PLUG DOWN @ 9:15 P.M. 6-1-71. REVERSED OUT 32 SAX. JET PERFORATED 17--0.41" HOLES IN STRAWN POROSITY 10413--10429 (16') WITH ONE SHOT PER FOOT. RAN RTTS ON TUBING TO 10451. SET BELOW STRAWN PERFS AND TESTED LINER TO 3500 PSI. HELD OKAY. RESET AT 10355' ABOVE STRAWN PERFS. SWABBED LOAD WATER. ACIDIZED STRAWN PERFS WITH 4500 GALLONS 15% DOWELL BREAK DOWN ACID AND 25 -- 7/8" BALL SEALERS. MAX 550 PSI. AIR 2.5 B/M at 3800 PSI. GOOD BALL ACTION. I.S.I.P. 3300 PSI. 10 MIN. S.I.P. 2900 PSI. RAN BAKER MODEL D PACKER AND SET IN 7" CASING AT 10463. RAN BAKER SEAL ASSEMBLY, BAKER TYPE F PSI NIPPLE (1.87" I.D.), 20' BLAST JOINT AND BAKER DUAL HYDRAULIC PACKER ON 333 JOINTS 2 3/8" OD BUTTRESS TUBING. SET IN MODEL D PACKER WITH 9000 POUNDS WEIGHT AND LANDED IN DUAL HANGER OF XMAS TREE. DUAL PACKER AT 10269. RAN 255 JOINTS 2 3/8" OD BUTTRESS TUBING. SPACED INTO DUAL HYDRAULIC PACKER AT 10269 AND LANDED IN HANGER OF XMAS TREE. SET HYDRAULIC DUAL PACKER WITH PUMP PRESSURE. PRESSURED ANNULUS TO 1500 PSI TO TEST DUAL PACKER. HELD OKAY. SWABBED LOAD WATER. PERFORATED MORROW SECTION -- 11401, 11404, 11406, 11446, 11448, 11450, 11454, 11463, 11465 W/1 SHOT PER FOOT. ACIDIZED MORROW W/1500 GAL. SUPER MUD ACID MIXED W/15% ISOPROPYL ALCOHOL FOLLOWED BY 500 GAL. 10% HCL FOLLOWED BY 1000 GAL. 5% HCL CONTAINING CLAY STABILIZING AGENT.

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

SIGNED [illegible] TITLE DIST. ADMIN. SUPERVISOR DATE JULY 16, 1971

APPROVED BY W. A. Gressett TITLE OIL AND GAS INSPECTOR DATE JUL 20 1971

CONDITIONS OF APPROVAL, IF ANY:

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NEW MEXICO OIL CONSERVATION COMMISSION

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FEB 1973

O. C. C.

ARTESIA, OFFICE

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

5a. Indicate Type of Lease
State ☐ Fee ☒

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL ☐ GAS WELL ☒ OTHER-

7. Unit Agreement Name

2. Name of Operator
Cities Service Oil Company

8. Farm or Lease Name
Spencer A

3. Address of Operator
Box 4906 - Midland, Texas 79701

9. Well No.
1

4. Location of Well
UNIT LETTER **O**, **660** FEET FROM THE **South** LINE AND **1980** FEET FROM THE **East** LINE, SECTION **30** TOWNSHIP **22S** RANGE **27E** NMPM.

10. Field and Pool, or Wildcat
S. Carlsbad Strawn

15. Elevation *(Show whether DF, RT, GR, etc.)*
3184' GR.

12. County
Eddy

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☐	
OTHER ☐		OTHER **Retesting of SI Zone (Strawn)** ☒	

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

T.D. 11,820' Shale, P.B.T.D. 11,764'. Testing complete. The Strawn zone (perfs. 10,413-10,429) was retested during the first part of June, 1972 with following results:

Flowed 2.405 MMCF + 8 B dist. + 13.9 BW/8 hrs. thru 8/64" choke, flowed 1.052 MMCF + 23.6 B dist. + 8.3 BW/11 hrs. thru 10/64" & 1" chokes, flowed 600 MCF + 12.47 B dist. + 1.34 BW/4 hrs. thru 20/64" choke, flowed 524 MCF + 11.08 B dist. + 1.38 BW/4 hrs. thru 20/64" choke and flowed 521 MCF + 13.89 B dist./3-1/2 hrs. thru 20/64" choke. Test results indicate the Strawn zone to be commercial by producing the well on intermitting basis. This zone was connected by LLano, Inc. on 1-25-73 and by Transwestern on 1-26-73.

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

SIGNED E. Fuller TITLE **Region Operation Manager** DATE **January 31, 1973**

APPROVED BY W. A. Gressett TITLE **OIL AND GAS INSPECTOR** DATE FEB 6 1973

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION

P. O. DRAWER "DD"

ARTESIA, NEW MEXICO 88210

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JAN 31 1973

O. C. C.
ARTESIA, OFFICE

AIR MAIL

NOTICE OF GAS CONNECTION

DATE January 29, 1973 .

This is to notify the Oil Conservation Commission that connection for the purchase of gas from the Cities Service Oil Co. (Operator) . Spencer "A" (Lease) .

Well #1-Unit Ltr. O (Well Unit) . 30-22S-27E (S.T.R.) . South Carlsbad (Pool) Eddy County (Strawn) . Transwestern (Name of purchaser) .

was made on January 26, 1973 .

Transwestern Pipeline Company

H. N. Aicklen
Representative

Supervisor Gas Purchase Contract Administration
Title

cc: Operator
Oil Conservation Commission - Santa Fe

OIL CONSERVATION COMMISSION
P. O. DRAWER "DD"
ARTESIA, NEW MEXICO 88210

NOTICE OF GAS CONNECTION

DATE January 25, 1973

This is to notify the Oil Conservation Commission that connection for the purchase of gas from the Cities Service Oil Co. (Operator), Spencer "A" No. 1 (Lease), 1-O (Well-Unit), 30-22-27 (S-T-R), So. Carlsbad-Strawn (Pool), Llano, Inc. (Name of Purchaser), was made on January 25, 1973.

Llano, Inc.
Purchaser

W. L. Smith by D. L. Gore
Representative

Vice President-Operations & Construction
Title

CC: To Operator
Oil Conservation Commission-Santa Fe

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JAN 29 1973
O. C. C.
ARTESIA, OFFICE

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

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

FEB 6 1973
O. C. C.
ARTESIA, OFFICE

I.

Operator: Cities Service Oil Company

Address: Box 4906 - Midland, Texas 79701

Reason(s) for filing *(Check proper box)*: New Well [X]; Recompletion [ ]; Change in Ownership [ ]; Change in Transporter of: Oil [ ], Dry Gas [ ], Casinghead Gas [ ], Condensate [ ]

Other *(Please explain)*:

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

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease (State, Federal or Fee)	Lease No.
Spencer A	1	So. Carlsbad Strawn	Fee	

Location: Unit Letter 0 : 660 Feet From The South Line and 1980 Feet From The East

Line of Section 30 Township 22S Range 27E , NMPM, Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil [ ] or Condensate [X]: The Permian Corp.
Address *(Give address to which approved copy of this form is to be sent)*: Box 1183-Houston, Texas 77001

Name of Authorized Transporter of Casinghead Gas [ ] or Dry Gas [X]: Llano, Inc. (50.79365%) *Transwestern Pipeline Co. (49.20635%)
Address *(Give address to which approved copy of this form is to be sent)*: Box 1320-Hobbs,NM 88240 - Box 2525, Houston, Texas 77001

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

Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
0	30	22S	27E	Yes	1-25-73 *1-26-73

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

IV. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		X	X				~~X~~	

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
3-30-71	6-10-72	11,820	11,764
Elevations *(DF, RKB, RT, GR, etc.)*	**Name of Producing Formation**	**Top Oil/Gas Pay**	**Tubing Depth**
3184' GR	Strawn	10,413	10,269
Perforations 1 - 0.41" hole each @ 1 ft. int. from 10,413 thru 10,429			**Depth Casing Shoe** 11,808

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
17-1/4"	13-3/8"	352.93	380 sacks
12-1/4"	9-5/8"	5299	1760 sacks
8-3/4"	7"	10609	380 sacks
	5" liner	10504-11808	78 sacks

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

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-Bbls.**	**Gas-MCF**

GAS WELL Dedicated acreage = 315

Actual. Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
5.102 MMCF	30-1/2 hrs.	13.53	-
Testing Method *(pitot, back pr.)*	**Tubing Pressure (Shut-in)**	**Casing Pressure (Shut-in)**	**Choke Size**
-	3133	--	8/64", 10/64", 20/64"

VI. CERTIFICATE OF COMPLIANCE

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

E. Fudder
(Signature)

Region Operation Manager
(Title)

January 31, 1973
(Date)

OIL CONSERVATION COMMISSION

APPROVED FEB 5 1973, 19____

BY W. A. Gressett

TITLE OIL AND GAS INSPECTOR

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

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

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

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

NEW MEXICO
OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO

GAS SUPPLEMENT NO. (NW) (SE) AR 116 DATE 2/6/73

NOTICE OF WELL CONNECTION OR AUTHORITY TO ASSIGN ALLOWABLE

ALL VOLUMES EXPRESSED IN MCF

The operator of the following well has complied with all the requirements of the Oil Conservation Commission and may be assigned an allowable as shown below.

Date of Connection 1-25-73 Date of First Allowable or Allowable Change 2-6-73

Purchaser Llano Inc. & Transwestern Pool South Carlsbad Strawn

Operator Cities Service Oil Co. Lease Spencer A

Well No. 1 Unit Letter O Sec. 30 Twp 22 Rnge. 27

Dedicated Acreage 315 Revised Acreage Difference

Acreage Factor .98 Revised Acreage Factor Difference

Deliverability Revised Deliverability Difference

A x D Factor Revised A x D Factor Difference

W. A. Gressett DIST. # 2

New Connection

CALCULATION OF SUPPLEMENTAL ALLOWABLE

MONTH	% OF MO.	PREV. ALLOW	REV. ALLOW.	PREV. PROD.	REV. PROD.	REMARKS
JANUARY						
FEBRUARY	.8214	-0-	61339			
MARCH						
APRIL						
MAY						
JUNE						
JULY						
AUGUST						
SEPTEMBER						
OCTOBER						
NOVEMBER						
DECEMBER						
TOTALS						
ALLOWABLE PRODUCTION DIFFERENCE - - - - - -						
Dec. SCHEDULE O/U STATUS - - - - - -						
REVISED Dec. O/U STATUS - - - - - -				No Change		
EFFECTIVE IN March SCHEDULE - - - - -						
PREVIOUS PERIOD ADJUSTMENTS - - - - - - - -						CURRENT CLASSIFICATION -0- TO N

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MAR 5 1973

O. C. C.

ARTESIA, OFFICE

NOTICE OF SHUT-IN

The following described well has been Shut-in for Failure of Compliance:

Purchaser Pool Date

Operator Lease

Well No. Unit Letter Sec. Twp. Rnge.

Effective date of Shut-in Reason for Shut-In

A. L. PORTER, Jr., *Director*

By

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

GAS SUPPLEMENT NO. (NW)(SE) SE-3663 DATE 3-13-73

NOTICE OF WELL CONNECTION OR AUTHORITY TO ASSIGN ALLOWABLE

ALL VOLUMES EXPRESSED IN MCF

The operator of the following well has complied with all the requirements of the Oil Conservation Commission and may be assigned an allowable as shown below.

Date of Connection _____ Date of First Allowable or Allowable Change _____
Purchaser TRANSWESTERN & LLANO Pool CARLSBAD SOUTH, STRAWN
Operator CITIES SERVICE OIL CO. Lease SPENCER-A
Well No. 1 Unit Letter O Sec. 30 Twp. 22S Rge. 27E
Dedicated Acreage 315 Revised Acreage _____ Difference _____
Acreage Factor 98 Revised Acreage Factor _____ Difference _____
Deliverability _____ Revised Deliverability _____ Difference _____
A x D Factor _____ Revised A x D Factor _____ Difference _____

Production correction DIST. #

CALCULATION OF SUPPLEMENTAL ALLOWABLE

MONTH	% OF NO.	PREV. ALLOW.	REV. ALLOW.	PREV. PROD.	REV. PROD.	REMARKS
JANUARY				-0-	4480	Jan. production omitted from schedule.
FEBRUARY						
MARCH						
APRIL						
MAY						
JUNE						
JULY						
AUGUST						
SEPTEMBER						
OCTOBER						
NOVEMBER						
DECEMBER						
TOTALS						
ALLOWABLE PRODUCTION DIFFERENCE - - - - - -				4480-		
Jan. SCHEDULE O/U STATUS - - - - - -				-0-		
REV. SEP Jan. O/U STATUS - - - - - -				4480-		
EFFECTIVE IN April SCHEDULE - - - - -						
PREVIOUS PERIOD ADJUSTMENTS - - - - - - - -						CURRENT CLASSIFICATION N TO

NOTICE OF SHUT-IN

The following described well has been Shut-in for Failure of Compliance:

Purchaser _____ Pool _____ Date _____
Operator _____ Lease _____
Well No. _____ Unit Letter _____ Sec. _____ Twp. _____ Rge. _____
Effective date of Shut-in _____ Reason for Shut-In _____

A. L. PORTER, Jr., Director

By _____

EL PASO NATURAL GAS COMPANY

DATE 11/10 19 76

ADVICE ON WELLS TIED INTO GAS GATHERING SYSTEMS

Name of Producer: Cities Service Oil Co. (1289)

Well Name and Number: Spencer A-1 (Strawn)

Location: 660'S, 1980'E, Sec. 33, T-22-S, R-27-E, Eddy Co., NM

Pool Name: South Carlsbad

Producing Formation: Strawn

Top of Gas Pay: 10413

Oil or Gas Well: Gas

Gas Unit Allocation: 320 Acres

Date Tied Into Gathering Systems: October 22, 1976

Date of First Delivery: November 3, 1976

Gas Gathering System: Carlsbad Gathering System

Processed through Gasoline Plant (yes or no): No

Station Number: 61-724-01

Remarks:

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ARTESIA, OFFICE

By: Marvin L. Elliott, Dispatching

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TRANSPORTER GAS	3	
OPERATOR	1	
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NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

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

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OCT 29 1976
O. C. C.
ARTESIA, OFFICE

I.

Operator: Cities Service Oil Company

Address: P. O. Box 1919 - Midland, Texas 79701

Reason(s) for filing (Check proper box)
- New Well [ ]
- Recompletion [ ]
- Change in Ownership [ ]
- ~~Change~~ Additional Transporter of:
  - Oil [ ]
  - Casinghead Gas [ ]
  - Dry Gas [X]
  - Condensate [ ]

Other (Please explain): Triple Conn. add GT-EFG

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

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Spencer A	1	Carlsbad, Strawn South	State, Federal or Fee Fee	

Location
Unit Letter 0 ; 660 Feet From The South Line and 1980 Feet From The East

Line of Section 30 Township 22-S Range 27-E , NMPM, Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil [ ] or Condensate [ ]	Address (Give address to which approved copy of this form is to be sent)
The Permian Corporation	Box 1183, Houston, Texas 77001
Name of Authorized Transporter of Casinghead Gas [ ] or Dry Gas [X]	Address (Give address to which approved copy of this form is to be sent)
Llano, Inc.(38.09524%);Transwestern PL Co. (49.20635%);El Paso Nat. Gas Co. (12.69841%)	Box 1320-Hobbs, NM 88240;Box 2525, Houston, TX 77001; Box 1384, Jal, NM 88240

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	0	30	22-S	27-E	*Yes **~~No~~ yes	*Llano-1/25/73 *Transwestern-1/26/73

If this production is commingled with that from any other lease or pool, give commingling order number: **El Paso 10-22-76

IV. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Perforations			Depth Casing Shoe

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

V. TEST DATA AND REQUEST FOR ALLOWABLE

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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 - Bbls.**	**Gas - MCF**

GAS WELL

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

VI. CERTIFICATE OF COMPLIANCE

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

E Spilker
(Signature)

Region Operations Manager
(Title)

October 27, 1976
(Date)

OIL CONSERVATION COMMISSION

APPROVED NOV 1 1976, 19 _____

BY W. A. Gressett

TITLE SUPERVISOR, DISTRICT II

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

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

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

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

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

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OCT 28 1976

O. C. C.
ARTESIA, OFFICE

OIL CONSERVATION COMMISSION

P. O. DRAWER DD

ARTESIA, NEW MEXICO 88210

NOTICE OF GAS CONNECTION

Date October 26, 1976

This is to notify the Oil Conservation Commission that connection for the purchase of gas from the Cities Service Oil Co. (Operator)

Spencer A #1 (Strawn) (Lease), 0 (Well & Unit), 30-22-27 (S.T.R.)

South Carlsbad Strawn (Pool), El Paso Natural Gas Co. (Name of Purchaser)

was made on October 22, 1976.

El Paso Natural Gas Co.
Purchaser

[signature]
Representative

Gas Production Status Analyst
Title

TRE: bl
cc: To operator
Oil Conservation Commission - Santa Fe
T. J. Crutchfield
H. P. Logan
Proration
File

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NEW MEXICO OIL CONSERVATION COMMISSION

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

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

I.

Operator
Cities Service Company

Address
P.O. Box 1919 - Midland, Texas 79702

Reason(s) for filing (Check proper box)

New Well	☐	Change in Transporter of:	
Recompletion	☐	Oil ☐	Dry Gas ☐
Change in Ownership	☒	Casinghead Gas ☐	Condensate ☐

Other (Please explain)
Change of Operator's name is effective July 1, 1977.

If change of ownership give name and address of previous owner Cities Service Oil Company - P.O. Box 1919 - Midland, Texas 79702

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Spencer A	1	South Carlsbad Strawn	State, Federal or Fee Fee	-

Location
Unit Letter O ; 660 Feet From The South Line and 1980 Feet From The East Line of Section 30 Township 22S Range 27E , NMPM, Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☒
The Permian Corporation
Address (Give address to which approved copy of this form is to be sent)
Box 1183 - Houston, Texas 77001

Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒
El Paso Natural Gas Company
Address (Give address to which approved copy of this form is to be sent)
Box 1384 - Jal, New Mexico 88252
Box 1320 - Hobbs, New Mexico 88240

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

Unit	Sec.	Twp.	Rge.
O	30	22S	27E

Is gas actually connected? Yes When 10-22-76 - 1-25-73 1-26-73

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

Transwestern Pipeline Co. - Box 2255 - Houston, Texas 77001

IV. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Perforations			Depth Casing Shoe

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

V. TEST DATA AND REQUEST FOR ALLOWABLE

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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 - Bbls.	Gas - MCF

GAS WELL

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

VI. CERTIFICATE OF COMPLIANCE

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

E Spulden
(Signature)
Region Operations Manager
(Title)
6/10/77
(Date)

OIL CONSERVATION COMMISSION

APPROVED JUL 20 1977, 19

BY W. A. Gressett

TITLE SUPERVISOR, DISTRICT II

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

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

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

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

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

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DEC 13 1977

O. C. C.
ARTESIA, OFFICE

OIL CONSERVATION COMMISSION

P.O. DRAWER DD

ARTESIA, NEW MEXICO 88210

NOTICE OF GAS DISCONNECTION

DATE DECEMBER 12, 1977

THIS IS TO NOTIFY THE OIL CONSERVATION THAT DISCONNECTION OF GAS FROM THE

CITIES SERVICE COMPANY (OPERATOR), SPENCER A (LEASE),

1 O (WELL-UNIT), 30-22S-27E (S-T-R), SOUTH CARLSBAD STRAWN (POOL),

LLANO, INC. (NAME OF TRANSPORTER), WAS MADE ON 7-18-77.

LLANO, INC.
TRANSPORTER

Ol Klaar
REPRESENTATIVE

MANAGER OF PETROLEUM AND
NATURAL GAS ENGINEERING
TITLE

cc:To Oil Conservation Commission P.O. Box 2088, Santa Fe, New Mexico 87501

cc:To Operator-

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FILE	1	✓
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LAND OFFICE		
OPERATOR	1	

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NEW MEXICO OIL CONSERVATION COMMISSION

MAY - 1 1978

O. C. C.
ARTESIA, OFFICE

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

5a. Indicate Type of Lease
State [ ] Fee [X]

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

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

7. Unit Agreement Name

1. OIL WELL [ ] GAS WELL [X] OTHER-

2. Name of Operator
Cities Service Company ✓

8. Farm or Lease Name
Spencer "A"

3. Address of Operator
P. O. Box 1919, Midland, Texas

9. Well No.
1

4. Location of Well
UNIT LETTER 0 , 660 FEET FROM THE South LINE AND 1980 FEET FROM

10. Field and Pool, or Wildcat
Morrow
So. Carlsbad (Strawn)

THE East LINE, SECTION 30 TOWNSHIP 22S RANGE 27E NMPM.

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

12. County
Eddy

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK [ ]	PLUG AND ABANDON [ ]	REMEDIAL WORK [ ]	ALTERING CASING [ ]
TEMPORARILY ABANDON [ ]		COMMENCE DRILLING OPNS. [ ]	PLUG AND ABANDONMENT [ ]
PULL OR ALTER CASING [ ]	CHANGE PLANS [ ]	CASING TEST AND CEMENT JOB [ ]	
		OTHER [ ]	
OTHER Abandon Morrow & Test Additional Strawn zone [X]			

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

T. D. 11,820' P.B. T. D. 11,764

1. MIRU pulling unit. Kill well w/2% KCL water. ND tree. NU BOP.
2. Release Baker Lok-Set packer @ 11,325' and release tubing from Baker Model D Packer @ 11,490'.
3. Set CIBP on wireline at approximately 11,350' to P&A Morrow. Dump 35' cement on top of bridge plug. New PBTD Should be 11,315'.
4. Set CIBP on wireline at approximately 10,390' to P&A Strawn. Dump 35' cement on top of bridge plug.
5. Circulate hole w/2% KCL water. Spot 50 gallons acetic acid 10,300 - 10,350'.
6. Perforate Strawn 10,323' to 10,331' using 4" casing gun and 2 shots/ft.
7. RIH w/muleshoed tubing sub and Baker Lok-Set packer on 2-3/8" Buttress tubing and set packer at approximately 10,250'. Swab well in.
8. Test well natural.
9. If necessary, acidize well.
10. Backflow treatment and test.

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

SIGNED E. Guilden TITLE Region Operation Mgr. DATE April 28, 1978

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE MAY 2 1978

CONDITIONS OF APPROVAL, IF ANY:

UNITED CHEMICAL CORPORATION

OF NEW MEXICO

P. O. BOX 1499 PHONE 505 393 7751

HOBBS, NEW MEXICO 88240

No. 7507
Run No.
Date of Run 5/31/78
Date Secured 5/31/78

CERTIFICATE OF ANALYSIS

Cities Service Oil Company
West Engineering
412 North Dal Paso
Hobbs, New Mexico 88240

Spencer "A" #1

Secured by
Taken Date

Sampling conditions Press
Temp.

FRACTIONAL ANALYSIS

Percentage Composition

	MOL %	LIQ. %	G.P.M.
Carbon Dioxide	.455		
Nitrogen	1.714		
Hydrogen Sulfide			
Methane	85.130		
Ethane	8,025		2.140
Propane	2.700		.744
Isobutane			
n-Butane	.575		.188
Isopentane	.744		.234
n-Pentane			
Hexanes	.268		.098
Heptanes	.161		.058
Octanes	.120		.049
Nonanes	Plus .108		.046
Total	100.000		3.557

Calc. Sp. Gr. 0.6636
Calc. A.P.I.
Calc. Shrinkage Press. PSIA
Sp. Gr.
Mol. Wt. 19.22

LIQUID CONTENT (GAL./MCF)

Propane Calc. G.P.M.	.744
Butanes Calc. G.P.M.	.422
Pentanes Plus G.P.M.	.251
Ethane Calc. G.P.M.	2.140
C5+ RVP Separator G.P.M.	

B.T.U. per cu. ft. @ 14.65% P.S.I.A.

Dry Basis	1141
Wet Basis	1121

Sulfur Analysis by Titration (Gr. / 100 Cu. Ft.)

Hydrogen Sulfide	
Mercaptans	
Sulfides	
Residual Sulfur	
Total Sulfur	

Debbie Moutray

Approved by Deanie Simpson

Additional Data and Remarks

531dh

MOORE BUSINESS FORMS, INC.

CITIES SERVICE COMPANY
SPENCER "A" NO. 1
BOTTOM HOLE PRESSURE BUILD-UP TEST
TABULATION OF PRESSURE AND TIME

DATE	TIME	CUM. HRS./MIN.		PSIG @ 10,327 FEET
5-30-78	2:45 PM	00 HRS.	00 MIN.	2584 SHUT-IN, BEGIN BUILD-UP
		00	15	2615
		00	30	2644
		00	45	2670
		01	00	2692
		02	00	2746
		03	00	2789
		04	00	2823
		06	00	2872
5-30-78	10:45 PM	08	00	2912
5-31-78	12:45 AM	10	00	2946
		12	00	2977
		14	00	3011
		16	00	3043
		18	00	3071
5-31-78	10:00 AM	19 HRS.	15 MIN.	3094 CHART RAN DOWN, END OF TEST

NOTE: FLOWING D.W. AT BEGINNING OF TEST ON 5-27-78 WAS 754 PSIG. D.W. AT THE BEGINNING OF THE 4-POINT TEST SHUT-IN WAS 2415 PSIG. FLOWING D.W. AT THE END OF THE 4TH RATE WAS 1842 PSIG. D.W. AT THE END OF THE BUILD-UP ON 5-31-78 @ 12:30 P.M. WAS 2245 PSIG.

CITIES SERVICE COMPANY
SPENCER "A" NO. 1
BOTTOM HOLE PRESSURE BUILD-UP TEST AND
PRESSURES TO USE FOR CALCULATING 4-POINT TEST
TABULATION OF PRESSURE AND TIME

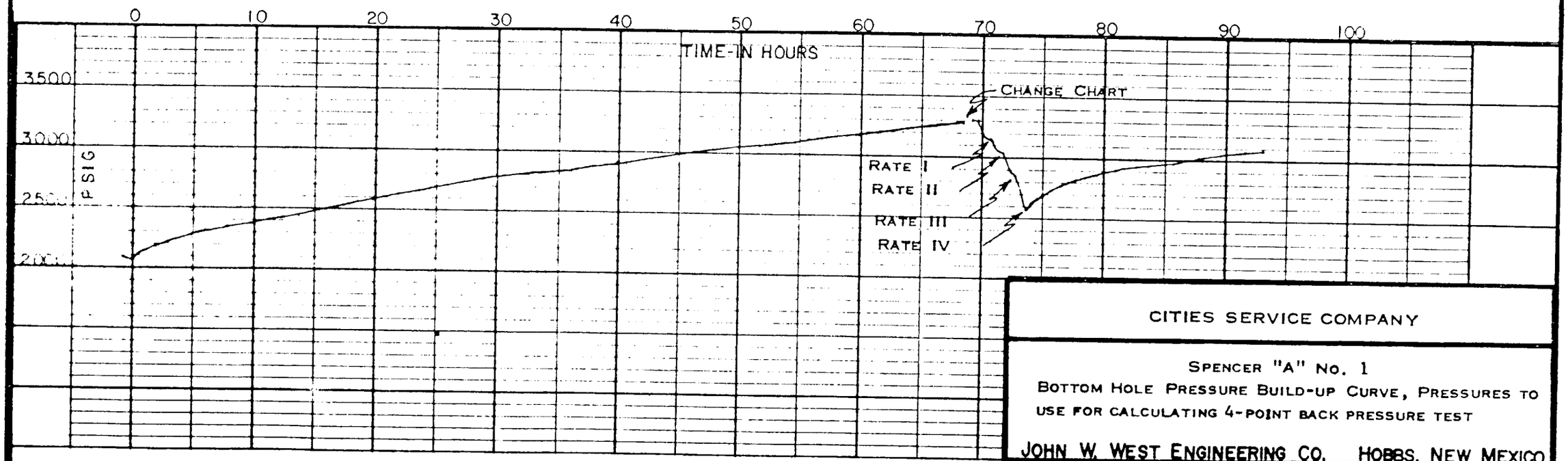
TEST CONDUCTED BY:
JOHN WEST ENGINEERING COMPANY

TEST DATE: MAY 27 TO 31, 1978
TEST DEPTH: 10,327 FEET
ELEMENT NO.: 12809 (0-5650 PSI)
OPER.: B.J.T. & J.A.B.

DATE	TIME	CUM. HRS./MIN.		PSIG @ 10,327 FEET	
5-27-78	12:20 PM			2097	GAUGE REACHED 10,327', FLOWING
5-27-78	1:00 PM	00 HRS.	00 MIN.	2063	SHUT-IN, BEGIN BUILD-UP
		00	15	2094	
		00	30	2117	
		00	45	2131	
		01	00	2145	
		02	00	2188	
		03	00	2225	
		04	00	2254	
		06	00	2308	
		08	00	2348	
5-27-78	11:00 PM	10	00	2385	
5-28-78	1:00 AM	12	00	2419	
		14	00	2450	
		16	00	2496	
		18	00	2547	
		20	00	2590	
	11:00 AM	22	00	2635	
	1:00 PM	24	00	2678	
		28	00	2741	
5-28-78	9:00 PM	32	00	2801	
5-29-78	1:00 AM	36	00	2860	
		40	00	2915	
	9:00 AM	44	00	2972	
	1:00 PM	48	00	3026	
		52	00	3077	
5-29-78	9:00 PM	56	00	3129	
5-30-78	1:00 AM	60	00	3186	
		64	00	3234	
5-30-78	9:45 AM	68	45	3297	GAUGE OUT TO CHANGE CHART
		CHART NO. 2			
5-30-78	10:15 AM	69	15	3300	GAUGE BACK TO 10,327 FEET
	10:45 AM	69	45	3300	OPEN CHOKE, BEGIN TEST
		70	00	3254	
		70	15	3211	
		70	30	3183	
	11:45 AM	70	45	3166	END RATE I
	12:00 NOON	71	00	3131	
	12:15 PM	71	15	3100	
		71	30	3063	
	12:45 PM	71	45	3023	END RATE II
		72	00	2972	
		72	15	2932	
		72	30	2886	
	1:45 PM	72	45	2863	END RATE III
		73	00	2789	
		73	15	2724	
		73	30	2624	
5-30-78	2:45 PM	73 HRS.	45 MIN.	2584	END RATE IV, SHUT-IN

TEST DATE:	MAY 27 TO 31, 1978
TEST DEPTH:	10,327 FEET
ELEMENT NO.:	12809
RANGE:	0-5650 PSI
CLOCK NO.:	E-1919
RANGE:	0-72 HOUR
CLOCK NO.:	C-4020
RANGE:	0-24 HOUR

NOTE: SEE TABULATION OF PRESSURE AND TIME ON ATTACHED SHEET.



CITIES SERVICE COMPANY

SPENCER "A" NO. 1

BOTTOM HOLE PRESSURE BUILD-UP CURVE, PRESSURES TO USE FOR CALCULATING 4-POINT BACK PRESSURE TEST

JOHN W. WEST ENGINEERING CO. HOBBS, NEW MEXICO

Date: 6-2-78	Drawn by: MCT	Scale: AS SHOWN

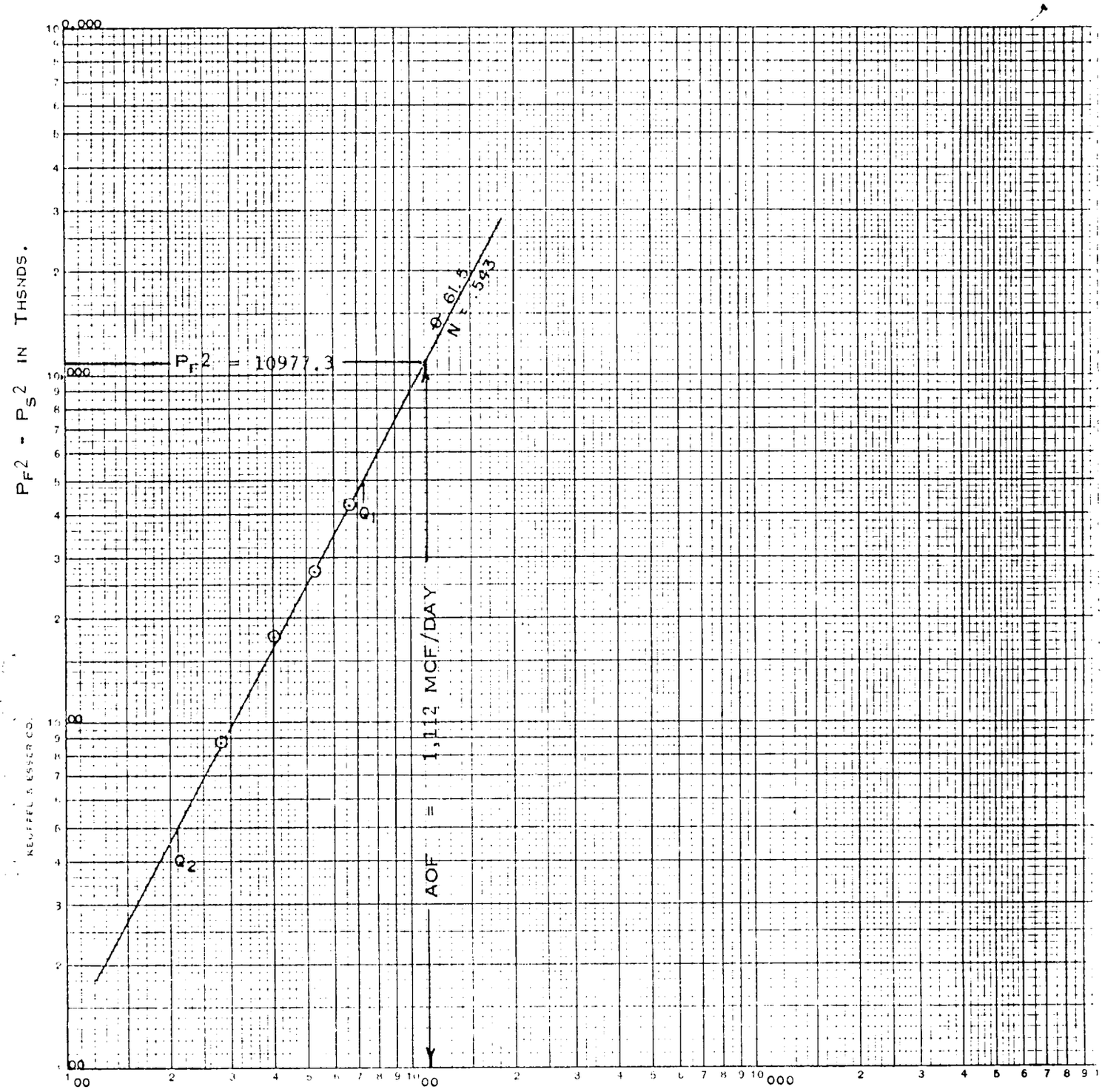
CITIES SERVICE COMPANY SPENCER "A" No. 1 MAY 30, 1978

ABS. SLOPE (N) = $Q_1 = 733 = 2.865219$

$Q_2 = 210 \pm 2,322219$

(N) = 0.543000

$$\text{CAOF} = 663 \left(\frac{10,977.3}{4231.9} \right)^{.543} = 1,112 \text{ MCF/DAY}$$



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JUN - 9 1978

O. C. C.
ARTESIA, OFFICE

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special						Test Date: 5-30-78				
Company: CITIES SERVICE COMPANY				Connection: TRANSWESTERN, EL PASO, LLANO GAS						
Pool: SOUTH CARLSBAD STRAWN									Unit	
Completion Date: 5-27-78		Total Depth: 11,820'		Plug Back TD: 10,355'		Elevation:			Farm or Lease Name: SPENCER "A"	
Csg. Size: 7"	Wt.: 20#	d: 6.456"	Set At: 10,609'	Perforations: From 10,323' To 10,331'					Well No.: 1	
Tbg. Size: 2 3/8"	Wt.: 4.7#	d: 1.995"	Set At: 10,261'	Perforations: From OPEN ENDED					Unit: O Sec.: 30 Twp.: 22S Rge.: 27E	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: SINGLE				Packer Set At: 10,261'					County: EDDY	
Producing Thru: TUBING		Reservoir Temp. °F: 177 @ 10,327'		Mean Annual Temp. °F: 60		Baro. Press. – P_a: 13.2			State: NEW MEXICO	
L: 10,327	H: 10,327	Gg: 0.663	% CO_2: .46	% N_2: 1.71	% H_2S: -0-	Prover:		Meter Run: 4"	Taps: FLANGE	

	FLOW DATA				TUBING DATA		CASING DATA		
NO.	Prover Line Size	X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI						2415				72 HR.
1.	4"	x .875"	468	15	87	2290	73			1 HR.
2.	4"	x .875"	470	30	88	2185	73			1 HR.
3.	4"	x .875"	470	52	88	2005	71			1 HR.
4.	4"	x .875"	470	82	85	1842	71			1 HR.
5.										

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	2.661	84.96	481.2	.9750	1.228	1.043	282
2	2.661	120.40	483.2	.9741	1.228	1.043	400
3	2.661	158.51	483.2	.9741	1.228	1.043	526
4	2.661	199.05	483.2	.9768	1.228	1.044	663
5							

NO.	P_t	Temp. °R	T_r	Z
1	.72	547	1.45	.919
2	.72	548	1.45	.919
3	.72	548	1.45	.919
4	.72	545	1.44	.917
5				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons 64 @ 60 Deg.
Specific Gravity Separator Gas .663 XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX
Critical Pressure 670 P.S.I.A. _____ P.S.I.A.
Critical Temperature 378 R _____ R

P_f 3313.2 P_f^2 10,977.3

NO	P_t^2	P_w	P_w^2	$P_f^2 - P_w^2$
1		3179.2	10107.3	870.0
2		3036.2	9218.5	1758.8
3		2876.2	8272.5	2704.8
4		2597.2	6745.4	4231.9
5				

(1) $\frac{P_f^2}{P_f^2 - P_w^2} =$ 2.594 (2) $\left[\frac{P_f^2}{P_f^2 - P_w^2}\right]^n =$ 1.678

$\left[\frac{P_f^2}{P_f^2 - P_w^2}\right]^n =$ 1.112

Absolute Open Flow 1,112 Mcfd @ 15.025 Angle of Slope θ 61.5 Slope, n .543

Remarks: BOTTOM HOLE PRESSURE MEASURED WITH AMERADA GAUGE AT 10,327 FEET.
NO WAY TO MEASURE FLUID DURING TEST, SEPARATOR MAL-FUNCTION.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	R.E.R.	J.A.B.	J.W.W.

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OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

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JUN - 9 1978

O. C. C.

ARTESIA, OFFICE

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

5a. Indicate Type of Lease: State [ ] Fee [X]

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL [ ] GAS WELL [XX] OTHER-

7. Unit Agreement Name

2. Name of Operator: Cities Service Company

8. Farm or Lease Name: Spencer "A"

3. Address of Operator: P.O. Box 1919 Midland, TX 79702

9. Well No.: 1

4. Location of Well: UNIT LETTER O, 660 FEET FROM THE South LINE AND 1980 FEET FROM THE East LINE, SECTION 30 TOWNSHIP 22-S RANGE 27-E NMPM.

10. Field and Pool, or Wildcat: So. Carlsbad Strawn

15. Elevation (Show whether DF, RT, GR, etc.): 3184 GR

12. County: Eddy

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK [ ]	PLUG AND ABANDON [ ]	REMEDIAL WORK [ ]	ALTERING CASING [ ]
TEMPORARILY ABANDON [ ]		COMMENCE DRILLING OPNS. [ ]	PLUG AND ABANDONMENT [ ]
PULL OR ALTER CASING [ ]	CHANGE PLANS [ ]	CASING TEST AND CEMENT JOB [ ]	
OTHER [ ]		OTHER Abandon Morrow & test additional Strawn zone.	[X]

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

T.D. 11820'; PBTD 10,355', upper Strawn perfs 10323-10,331'.

MIRU pulling unit, kill well W/50 BW. Set 5" CIBP on WL at 11,350' and dumped 35' cmt on top. Set 7" CIBP at 10,390' and dumped 35' cmt on top. WOC 48 hrs. Circulated hole w/ 9#/gal. 2% KCl cut BW. Spotted 50 gals 10% Acetic acid 10,350- 10,300'. Jet perf upper Strawn Limestone using 4" csg gun 2 shots/interval 10,323, 10,325, 10,326, 10,328, 10,329 and 10,331. Total 12 0.48" holes W/19" penetration. Ran tbg. Set Pkr @ 10,251.70' in 10 Pts tension. ND BOP. NU tree. Tested annulus and pkr to 500# - ok. Swbd 61 BLW in 3-1/2 hrs. Well swbd dry, no gas. RU Western Co. tree saver. Acidized Strawn perfs 10,323-10,331' W/3000 gals 15% HCl W/additives. FLWD 4 PT test as follows:

TIME	GAS RATE MCFD	CHOKE	FTP	BP
1 hr	403	8/64"	2290#	468#
1 hr	573	10/64"	2185#	470#
1 hr	755	12/64"	2005#	470#
1 hr	948	14/64"	1845#	470#

Rec 4 BBLS 57 Gravity distillate during 4 hr flow period. CAOF 1,112 MCF/DAY, EST. 24 BBLS. distillate/Day.

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

SIGNED R. E. Ledbetter TITLE Region Operations Manager DATE June 7, 1978

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE JUN 13 1978

CONDITIONS OF APPROVAL, IF ANY:

El Paso COMPANY

P. O. BOX 1384
JAL, NEW MEXICO 88252
PHONE: 505-395-2551

February 21, 1979

RECEIVED

FEB 23 1979

O. C. C.
ARTESIA, OFFICE

Oil Conservation Commission
State of New Mexico
P. O. Drawer DD
Artesia, NM 88210

Gentlemen:

This is to advise that on February 21, 1979 the Cities Service Oil Co.'s, Spencer A #1 (Strawn) gas well located in Unit O of Section 30, Township 22-S, Range 27-E, Lea County, New Mexico was disconnected from El Paso Natural Gas Co.'s gathering system.

This disconnection was due to the well having insufficient flowing tubing pressure to produce into El Paso Natural Gas Company's line.

Yours truly,

PERMIAN DIVISION DISPATCHING DEPARTMENT

Travis R. Elliott
Gas Production Status Analyst

TRE:bl

cc: Mr. James Kaptenia, O.C.D., Santa Fe, NM
Proration Dept.
H. O. Whitt
Gas Purchases
Sam Smith
H. P. Logan
Operator
Measurement
R. H. Barnett
Earl Smith
Vernon Rogers
R. T. Speer
File

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
ARTESIA DISTRICT OFFICE
June 30, 1983

TONEY ANAYA
GOVERNOR

P.O. DRAWER DD
ARTESIA, NEW MEXICO 88210
(505) 748-1283

915-685-5000
Cities Service Oil & Gas Corporation
P.O. Box 1919
Midland, Texas 79702

Re: Spencer A
#1-O-30-22-27
South Carlsbad Strawn

Gentlemen:

We are returning your C-104 on the above captioned well unapproved until your records are brought up to date.

Our latest records reflect that this well is not now connected to a gas transmission company.

If the well is connected, please have the transmission company file a Notice of Connect with us. If the well is not connected, please revise the C-104 to reflect its status.

Very truly yours,

Leslie A. Clements

Leslie A. Clements
Supervisor District II

LAC/pw

Enclosures (5)

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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	GAS	✓
OPERATOR		✓
PRORATION OFFICE		

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MAR 29 '88
O. C. D.
ARTESIA, OFFICE

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

OIL CONSERVATION DIVISION

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

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I.

Operator: OXY USA Inc. ✓

Address: P. O. Box 50250, Midland, TX 79710

Reason(s) for filing (Check proper box)
- [ ] New Well
- [ ] Recompletion
- [X] Change in Ownership

Change in Transporter of:
- [ ] Oil
- [ ] Dry Gas
- [ ] Casinghead Gas
- [ ] Condensate

Other (Please explain): Change of operator's name effective April 1, 1988

If change of ownership give name and address of previous owner: Cities Service Oil & Gas Corp., P. O. Box 50250, Midland, TX 79710

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease (State, Federal or Fee)	Lease No.
Spencer A	1	So. Carlsbad Strawn	Fee	

Location
Unit Letter O : 660 Feet From The South Line and 1980 Feet From The East

Line of Section 30 Township 22S Range 27E, NMPM, Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil [ ] or Condensate [X]: The Permian Corporation
Address (Give address to which approved copy of this form is to be sent): P. O. Box 1183 - Houston, TX 77001

Name of Authorized Transporter of Casinghead Gas [ ] or Dry Gas [XX]: ~~Llano, Inc.~~ El Paso Natural Gas Co ~~Transwestern Pipeline Company~~
Address (Give address to which approved copy of this form is to be sent): ~~Box 1320 - Hobbs, New Mexico 88240~~ Box 1492 El Paso Tx 79978 ~~Box 2528 - Houston, TX 77001~~

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	O	30	22S	27E	Yes	~~1-25-73~~ ~~1-26-73~~

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

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

VI. CERTIFICATE OF COMPLIANCE

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

F. A. Vitrano
(Signature) F. A. Vitrano
District Operations Manager - Production
(Title)
March 15, 1988
(Date)

OIL CONSERVATION DIVISION

APPROVED MAY 2 1988, 19
BY
TITLE Oil & Gas Inspector

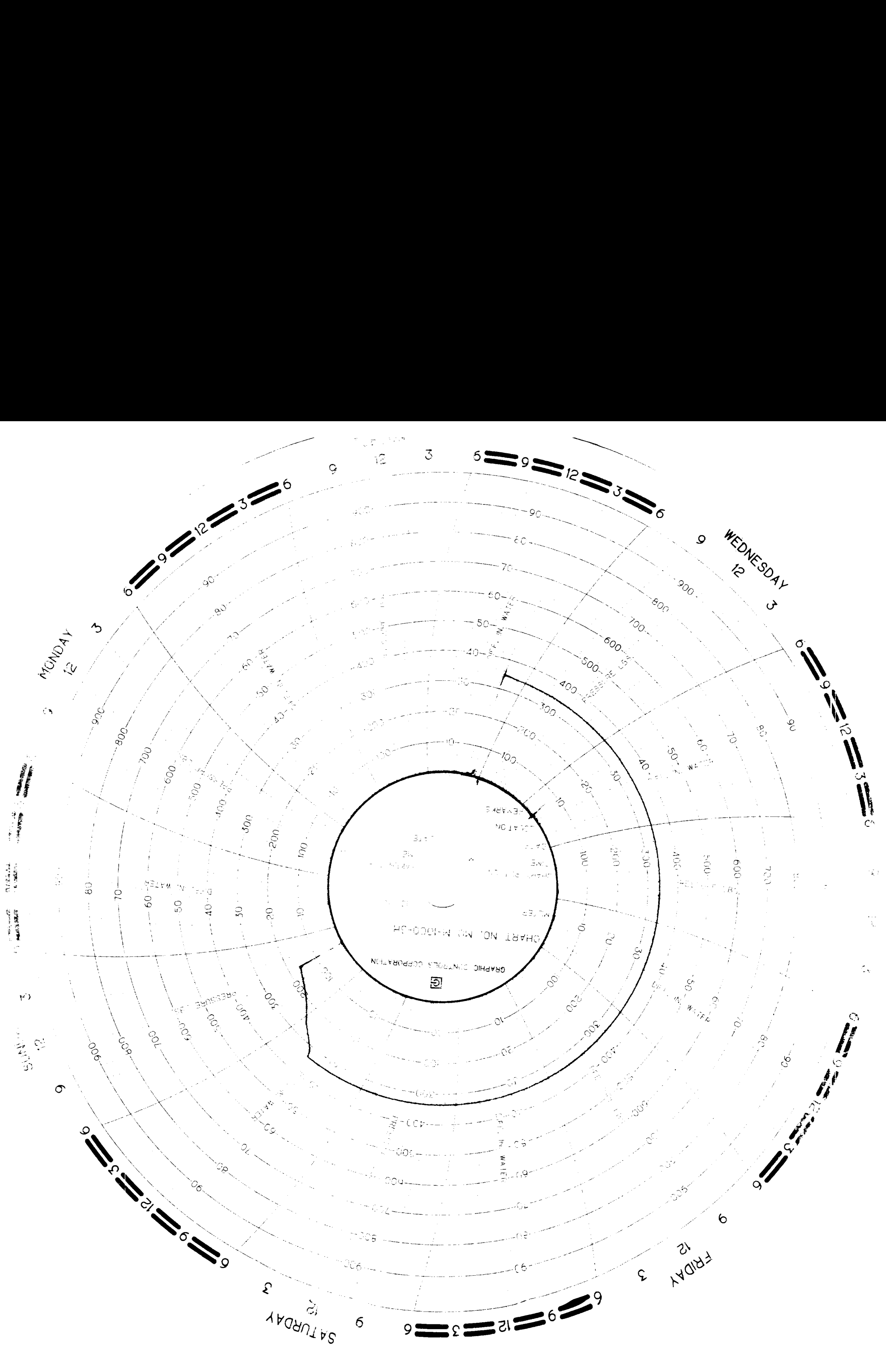
This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepene well, this form must be accompanied by a tabulation of the deviatic 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 owne well name or number, or transporter, or other such change of conditio

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


MONDAY
TUESDAY
WEDNESDAY
THURSDAY
FRIDAY
SATURDAY
SUNDAY
CHART NO. NO. M-1000-3H
GRAPHIC CONTROLS CORPORATION

Spencer A #1
Casing Test
350# — 30 min
TOC 5104'
Held OK

[signature] - Drlg Specialist
OXY USA Inc

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

State of New Mexico
Energy Minerals and Natural Resources

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

JUL 18 2007
OCD-ARTESIA

Form C-101
May 27, 2004

Submit to appropriate District Office

☐ AMENDED REPORT

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

[1] Operator Name and Address	[2] OGRID Number
CHI OPERATING, INC P.O. BOX 1799 MIDLAND, TEXAS 79702	004378
	[3] API Number 30 –015-20401

[5] Property Code	[5] Property Name	[6] Well No
36613	SPENCER "A"	1

[9] Proposed Pool 1	[10] Proposed Pool 2
Wye; Delaware	

[7] Surface Location

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	30	22S	27E		660	SOUTH	1980	EAST	EDDY

[8] Proposed Bottom Hole Location If Different From Surface

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

Additional Well Information

[11] Work Type Code	[12] Well Type Code	[13] Cable/Rotary	[14] Lease Type Code	[15] Ground Level Elevation
E	O		P	3181
[16] Multiple	[17] Proposed Depth	[18] Formation	[19] Contractor	[20] Spud Date
	5257'	DELAWARE		ASAP

Depth to Groundwater	Distance from nearest fresh water well	Distance from nearest surface water

Pit Liner Synthetic ☐ Min. required unless condition dictate stronger mils thick Clay ☐ Pit Volume. bbls Drilling Method

Closed-Loop System ☐ Fresh Water ☐ Brine ☒ Diesel/Oil-based ☐ Gas/Air ☐

[21] Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
EXISTING CSGS.	13 3/8"	48# H-40	353'		CIRC/50sks
EXISTING CSGS.	9 5/8"	40# N-80, 40/36# K-	5299'		2 Stage /DV @ 1625'
				1ST STAGE	CIRC 200 SKS OFF DV
				2ND STAGE	CIRC 200 SKS TO PIT

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

MIRU WORKOVER UNIT & EQUIPMENT. REMOVE DRYHOLE MKR INSTALL STARTING HEAD BASED ON WHAT IS FOUND NUBOP & TST TO 3000# PU BIT, DCs & DRILL OUT SURFACE PLUG. DRILL OUT PLUG @ 260' (TAGGED). DRILL OUT PLUG @ ±1495'. DRILL OUT PLUG @ 5104' (TAGGED) TO 5257'. (PSI CSG TO 500# AFTER DRILLING OUT ALL PLUGS) CLEAN UP WELL BORE PREP TO PERF & TEST DELAWARE ZONE(S).

NOTE NO EARTH PIT(S) REQUIRED

SENT NOTICE AND APPLICATION TO THE CITY OF CARLSBAD

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

Printed name: GARY WOMACK

Title ENGINEER

E-mail Address: Garyw@chienergyinc.com

Date 7/16/2007 Phone. 432-685-5001

OIL CONSERVATION DIVISION

Approved by:

BRYAN G. ARRANT
DISTRICT II GEOLOGIST

Approval Date: JUL 22 2007 Expiration Date: JUL 22 2008

Conditions of Approval Attached ☐

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

RECEIVED
OCD - ARTESIA
2006

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-015-20401	96378	Wye; Delaware

[4] Property Code	[5] Property Name	[6] Well Number
	SPENCER "A"	1

[7] OGRID No.	[8] Operator Name	[9] Elevation
4378	CHI OPERATING, INC.	3181

[10] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	30	22S	27E		660	SOUTH	1980'	EAST	EDDY

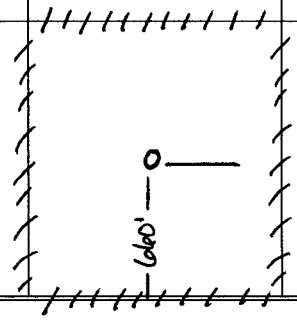
[11] Bottom Hole Location If Different From Surface

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

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
40			

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

16



[17] OPERATOR CERTIFICATION

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

Signature

GARY WOMACK
Printed Name

ENGINEER/Garyw@chienergyinc.com
Title and E-mail Address

9/21/06
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

CHI OPERATING, INC
HYDROGEN SULFIDE (H2S) CONTINGENCY PLAN
FOR DRILLING/COMPLETING/WORKOVER/FACILITY
WITH THE EXPECTATION OF H2S IN EXCESS OF 100 PPM

WELL/FACILITY IN QUESTION
Spencer "A" #1
RE-ENTRY
SEC 30-T22S-R27E
1980' FNL & 1980' FEL
EDDY COUNTY, NM

This well/facility is not expected to have H2S, but due to the sensitive location, The following is submitted as requested

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GENERAL EMERGENCY PLAN	Page 1
EMERGENCY PROCEDURE FOR UNCONTROLLED RELEASE OF H2S	Page 1
EMERBENCY NUMBERS OF NOTIFICATION	Page 2
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GENERAL H2S EMERGENCY ACTIONS:

In the event of an H2S emergency, the following plan will be initiated.

1) All personnel will immediately evacuate to an up-wind and if possible up-hill "safe area".

2) If for any reason a person must enter the hazardous area, they must wear a SCBA (Self contained breathing apparatus)

3) Always use the "buddy system"

4) Isolate the well/problem if possible

5) Account for all personnel

6) Display the proper colors warning all unsuspecting personnel of the danger at hand.

7) Contact the Company personnel as soon as possible if not at the location. (use the enclosed call list as instructed)

At this point the company representative will evaluate the situation and co-ordinate the necessary duties to bring the situation under control, and if necessary, the notification of emergency response agencies and residents.

EMERGENCY PROCEDURES FOR AN UNCONTROLLABLE RELEASE OF H2S

1) All personnel will don the self-contained breathing apparatus.

2) Remove all personnel to the "safe area". (always use the "buddy system"

3) Contact company personnel if not on location.

4) Set in motion the steps to protect and or remove the general public to an upwind "safe area". Maintain strict security & safety procedures while dealing with the source.

5) No entry to any unauthorized personnel.

6) Notify the appropriate agencies: City Police-City street(s)
State Police-State Rd
Count Sheriff-County Rd.
(will assist in general public evacuation/safety while maintaining roadblocks)

7) Call the NMOCD

If at this time the supervising person determines the release of H2S cannot be contained to the site location and the general public is in arms way he will take the necessary steps to protect the workers & the public.

EMERGENCY CALL LIST: (Start and continue until ONE of these people have been reached)

	OFFICE	MOBILE	HOME
Chi Operating, Inc.	432-685-5001		
Sonny Mann	505-365-2338	432-694-7062	505-365-2722
John Wolf	432-685-5001	432-634-7061	432-682-4905
Bill Bergman	432-685-5001	432-557-8773	432-689-4011

EMERGENCY RESPONSE NUMBERS: Eddy County, New Mexico

State Police	Eddy County	505-748-9718
	Lea County	505-392-5588
Sheriff	Eddy County	505-746-2701
	Lea County	505-
Emergency Medical Service (Ambulance)		911 or 505-746-2701
Eddy County Emergency Management (Harry Burgess)		505-887-9511
State Emergency Response Center (SERC)		505-476-9620
Police Department - Artesia		505-746-5001
Fire Department - Artesia		505-746-5001
Police Department - Carlsbad		505-885-2111
Fire Department - Carlsbad		505-885-3125
Fire Department - Loco Hills		505-677-2349
(NMOCD) New Mexico Oil Conservation Division,		
District I (Lea, Roosevelt, Chavez, Curry)		505-393-6161
District II (Eddy, Chavez)		505-748-1283
Callaway Safety		505-392-2973
Indian Fire & Safety		800-530-8693
American Safety		505-746-1096
BJ Services		505-746-3146
Schlumberger		505-748-1392
Cudd Pressure Control		800-990-2833

In the event greater than 100 ppm H2S is present, the ROE (Radius Of Exposure) calculations will be done to determine if the following is warranted:

- 100 ppm at any public area (any place not associated with this site)
- 500 ppm at any public road (any road which the general public may travel)
- 100 ppm radius of 3000' will be assumed if there is insufficient data to do the calculations, and there is a reasonable expectation that H2S could be present in concentrations greater than 100 ppm in the gas mixture.

Calculation for the 100 ppm ROE:

X = [(1.589) **(concentration)** (Q)] (0.6258)

Calculation for the 500 ppm ROE:

X = [(0.4546) (concentration) (Q)] (.06258)

(H2S **concentrations** in decimal form:)
10,000 ppm + = .01
1,000 ppm + = .001
100 ppm + = .0001
10 ppm + = .00001

EXAMPLE: If a well/facility has been determined to have 100 ppm H2S in the gas mixture and the well/facility is producing at a gas rate of 200 MCFPD then:

ROE for 100 PPM X=[(1.589)(.0001)(200,000)] (0.6258)
X= 8.8'

ROE for 500 PPM X=[(.4546)(.0005)(200,000)] (0.6258)
X= 10.9'

(These calculations will be forwarded to the appropriate District NMOCD office when applicable)

PUBLIC EVACUATION PLAN:

(When the supervisor has determined that the General Public will be involved, the following plan will be implemented)

1) Notification of the emergency response agencies of the hazardous condition and Implement evacuation procedures.

2) A trained person in H2S safety, shall monitor with detection equipment the H2S Concentration, wind and area of exposure (ROE). This person will determine the outer perimeter of the hazardous area. The extent of the evacuation area will be determined from the data being collected. Monitoring shall continue until the situation has been resolved. **(All monitoring equipment shall be UL approved, for use in class I groups A,B,C, & D, Division I, hazardous locations. All monitors will have a minimum capability of measuring H2S, oxygen, and flammable values.)**

3) Law enforcement shall be notified to set up necessary barriers and maintain such for the duration of the situation as well as aid in the evacuation procedure.

4) The company supervising personnel shall stay in communication with all agencies through out the duration of the situation and inform such agencies when the situation has been contained and the effected area(s) is safe to enter.

PROCEDURE FOR IGNITING AN UNCONTROLABLE CONDITION:

The decision to ignite a well should be a last resort and one if not both of the following pertain.

1) Human life and/or property are in danger.

2) There is no hope of bring the situation under control with the prevailing conditions at the site.

INSTRUCTIONS FOR IGNITION:

1) Two people are required. They must be equipped with positive pressure; self contained breathing apparatus and a "D"-ring style, full body, OSHA approved safety harness. Non-flammable rope will be attached.

2) One of the people will be a qualified safety person who will test the atmosphere for H2S, Oxygen, & LFL. The other person will be the company supervisor; he is responsible for igniting the well.

3) Ignite up-wind from a distance no closer than necessary. Make sure that where you ignite from has the maximum escape avenue available. A 25mm flare gun shall be used, with a ±500' range to ignite the gas.

4) Prior to ignition, make a final check for combustible gases.

5) Following ignition, continue with the emergency actions & procedures as before.

REQUIRED EMERGENCY EQUIPMENT:

1) Breathing Apparatus:

- Rescue Packs (SCBA) - 1 unit shall be placed at each breathing area, 2 shall be stored in the safety trailer.
- Work/Escape Packs – 4 packs shall be stored on the rig floor with sufficient air hose not to restrict work activity.
- Emergency Escape Packs – 4 packs shall be stored in the doghouse for emergency evacuation.

2) Signage & Flagging:

- One Color Code Condition Sign will be placed at the entrance to the site reflecting the possible conditions at the site.
- A Colored Condition flag will be on display, reflecting the condition at the site at that time.

3) Briefing Area: Two, perpendicular areas will be designated by signs and readily accessible.

4) Wind Socks: Two windsocks will be placed in strategic locations, visible from all angles.

5) H2S Detectors and Alarm: The stationary detector with three (3) sensors will be placed in the upper dog house if equipped, set to visually alarm @ 10 ppm and audible @ 15 ppm. Calibrate a minimum of every 30 days or as needed. The 3 sensors will be placed in the following places: (Gas sample tubes will be stored in the safety trailer)

- Rig Floor
- Bell Nipple
- End of Flow line or where well bore fluid are being discharged.

6) Auxiliary Rescue Equipment:

- Stretcher
- Two OSHA full body harness
- 100' of 5/8" OSHA approved rope
- 1 – 20# Class ABC fire extinguisher
- Communication via cell phones on location and vehicles on location.

USING SELF-CONTAINED BREATHING AIR EQUIPMENT (SCBA):

SCBA should be worn when any of the following are performed:

- Working near the top or on top of a tank.
- Disconnecting any line where H2S can reasonably be expected.
- Sampling air in the area to determine if toxic concentrations of H2S exist.
- Working in areas where over 10 ppm on H2S has been detected.
- At any time there is a doubt as the level of H2S in the area.

All personnel shall be trained in the use of SCBA prior to working in a potentially hazardous location

Facial hair and standard eyeglasses are not allowed with SCBA.

Contact lenses are never allowed with SCBA

Air quality shall continuously be checked during the entire operation.

After each use, the SCBA unit shall be cleaned, disinfected, serviced and inspected.

All SCBA shall be inspected monthly.

RESCUE & FIRST AID FOR VICTOMS OF HYDROGEN SULFIDE (H2S) POISONING:

Do not panic.

Remain calm & think.

Get on the breathing apparatus.

Remove the victim to the safe breathing area as quickly as possible. Upwind an uphill from source or cross wind to achieve upwind.

Notify emergency response personnel.

Provide artificial respiration and /or CPR, as necessary.

Remove all contaminated clothing to avoid further exposure.

A minimum of two (2) personnel on location shall be trained in CPR and First Aid.

H2S TOXIC EFFECTS:

H2S is extremely toxic. The acceptable ceiling for eight hours of exposure is 10 ppm, which is .001% by volume. H2S is approximately 20% heavier than air (Sp.Gr=1.19 / Air=1) and color less. It forms an explosive mixture with air between 4.3% and 46.0%. By volume hydrogen sulfide (H2S) is almost as toxic as hydrogen cyanide and is 5-6 times more toxic than carbon monoxide.

Various Gases

Common Name	Chemical Abbrev.	Sp. Gr.	Threshold Limits	Hazardous Limits	Lethal Concentration
Hydrogen Sulfide	H2S	1.19	10 ppm 15 ppm	100 ppm/ hr	600 ppm
Hydrogen Cyanide	HCN	0.94	10 ppm	150 ppm/ hr	300 ppm
Sulfur Dioxide	SO2	2.21	2 ppm	N/A	1000 ppm
Chlorine	CL2	2.45	1 ppm	4 ppm / hr	1000 ppm
Carbon Monoxide	CO	0.97	50 ppm	400 ppm / hr	1000 ppm
Carbon Dioxide	CO2	1.52	5000 ppm	5 %	10 %
Methane	CH4	0.55	90,000	Combustible @ 5%	N/A

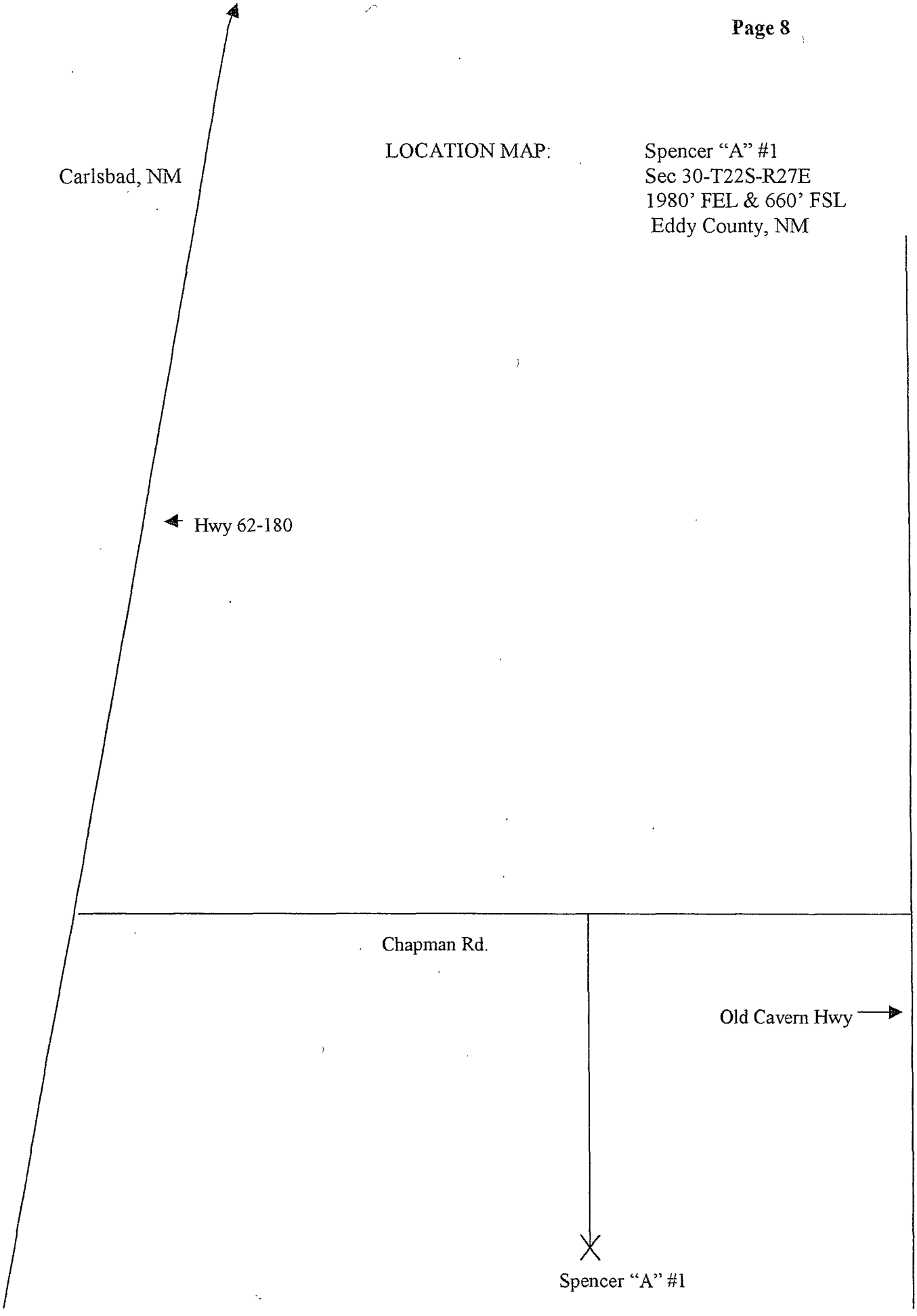
1 Threshold limit – Concentrations at which it is believed that all workers may be repeatedly exposed, day after day without Adverse effects.
2 Hazardous limit – Concentration that may cause death
3 Lethal concentration – Concentration that will cause death with short-term exposure.
4 Threshold limit – 10 ppm – NIOSH guide to chemical hazards
5 Short-term threshold limit.

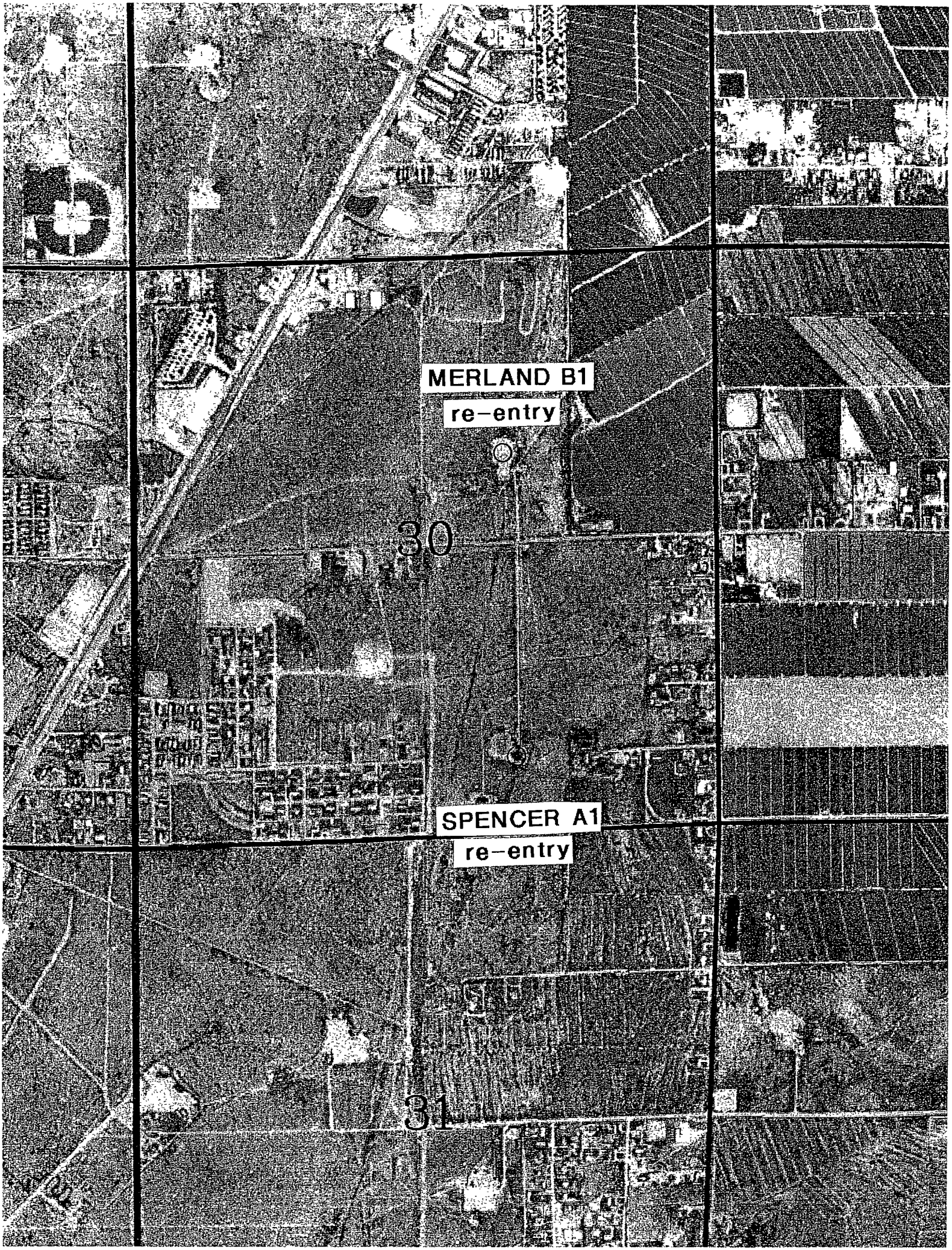
PHYSICAL EFFECTS OF HYDROGEN SULFIDE:

CONCENTRATIONS		PYSICAL EFFECTS
.001%	10 ppm	Obvious and unpleasant odor. Safe for 8hr exposure
.005%	50 ppm	Can cause some flu-like symptoms and can cause pneumonia
.01%	100 ppm	Kills the sense of smell in 3 –15 minutes. May irritate eyes and throat.
02%	200 ppm	Kills the sense of smell rapidy. Severly irritates eyes and throat. Severe flu-like symptoms after 4 or more hours. May cause lung damage and/or death.
.06%	600 ppm	Loss of consciousness quickly, death will result in not rescued promptly.

LOCATION MAP:

Spencer "A" #1
Sec 30-T22S-R27E
1980' FEL & 660' FSL
Eddy County, NM




MERLAND B1
re-entry
30
SPENCER A1
re-entry
31

Phone (432) 685-5001

Chi Operating, Inc.

Fax (432) 687-2662

P.O. Box 1799
Midland, TX 79702

Mr. Jon R. Tully
City Administrator
City of Carlsbad
P.O. Box 1569
Carlsbad, New Mexico 88221

9/21/06



Re: Oil & Gas Well Re-Entry Permit
Chi Operating, Inc
Spencer "A" #1
Section 30-T22S-R27E
Eddy County, New Mexico

Dear Mr. Tully,

Enclosed is our Oil, Gas, Pipeline Application for Permit/License concerning the subject well. Included with our application is the supporting documentation as required as well as the required fee of $5,000.00.

Please advise Chi Operating, Inc. of our public hearing date before the city counsil in order that we may get our signage in place, as well as the notice placed in the newspaper in accordance with the city ordinance. Please don't hesitate to call me at 432-685-5001 if any additional information is required.

Sincerely,

Gary Womack
Cc/file

City_Administrator_Reed -
SEP25'06 04:32

CITY OF CARLSBAL, NM
P.O. BOX 1569
CARLSBAD, NM 88221

OIL AND GAS WELLS AND PIPELINES
APPLICATION FOR PERMIT

Carlsbad Code of Ordinances, Chapter 34

A separate application is required for each well, trunkline pipeline and each water or gas repressurizing or injection facility.

TYPE OF PERMIT REQUESTED	INSPECTION / FILING FEE
☐ Drill Well	☐ $5,000.00
☒ Re-enter/Deepen Existing Well	☒ $5,000.00
☐ Water/Gas Repressurizing/Injection Facility	☐ $5,000.00
☐ Trunk Line	☐ $5,000.00
☐ Other: _____ (Describe)	☐ $500.00

Applicant Name:	CHI OPERATING, INC.
Applicant's Address: Street / P.O. Box:	P.O. BOX 1799
City, State, Zip Code:	MIDLAND, TEXAS 79702
If Corporation, Name of NM Registered Agent:	CLIFTON B. MANN, JR.
Application Contact Name and Title:	GARY WOMACK, ENGINEER
Address:	P.O. BOX 1799, MIDLAND, TEXAS 79702
Telephone Number(s):	432-685-5001
Fax Number:	432-687-2662
Emergency Contact Name and Title:	CLIFTON B. MANN, JR., FIELD FOREMAN
Address:	#5 HAVEN HILL ROAD, ARTESIA, NM 88201
Telephone Number(s):	432-634-7062

Proposed site of all wells, pipelines, or repressurizing or injection facilities (including location of well at surface, location of the bottom of well hole, location of gathering lines, crossings, etc.): SPENCER "A" #1, UNIT D, 660' FSL & 1980 FEL, SECTION 30 of T22S-R27E, EDDY COUNTY, NEW MEXICO
BHL - SAME FACILITY - SAME

Name of lease owner(s): SEE ATTACHED LESSOR SCHEDULE

Accurate description of facility location (with legal description of all acreage dedicated to well) and/or legal description of easements to be used by pipeline(s): UNIT D, 660' FSL & 1980' FEL, SECTION 30 OF T22S-R27E, EDDY COUNTY, NEW MEXICO. ACREAGE DEDICATED: SW/4 SE/4 SECTION 30

Ground elevation at well site: 3180 GL

Proposed depth of well or pipeline: 5257' PTD

APPLICATION CONTINUES ON REVERSE SIDE

Identify location of public notice signage: INTERSECTION OF OLD CAVERN HWY & CHESTER, EAST END OF CABALLO RD, INTERS. OF AIRPORT RD. & CONCHO RD.

Detailed explanation of operating pressures of all pipelines and facilities:

WELL WILL BE A PUMPING OIL WELL- "SEE ATTACHMENT"

Location and operating characteristics of compressor, compressor control and safety devices: NONE ANTICIPATED. IF WARRANTED, WILL BE AT SURFACE LOCATION OF THE WELL; WILL ADHERE TO CITY ORDINANCE

Attachments:

- ☐ **Surveyor's Plat, including:**
  - ○ Property Lines
  - ○ Surface Contours
  - ○ Right-of-Way Boundaries
  - ○ Distance to Nearest:
    - • Residential Structure
    - • Commercial Structure
- ☐ **Well Drilling Program**
  - ☒ Not Applicable
- ☐ **All Applications and Forms Submitted to or Received from:**
  - ○ OCD, List: APD-PLAT -H2S
  - ○ BLM, List: _____
  - ○ State Land Office, List: _____
- ☒ **Well Re-Entry or Deepening Information (Sec. 34-33(c))**
  - ○ Not Applicable

Signature of authorized agent: Robin Askew	Date: 9-21-06
Typed or Printed name of authorized agent: ROBIN ASKEW	

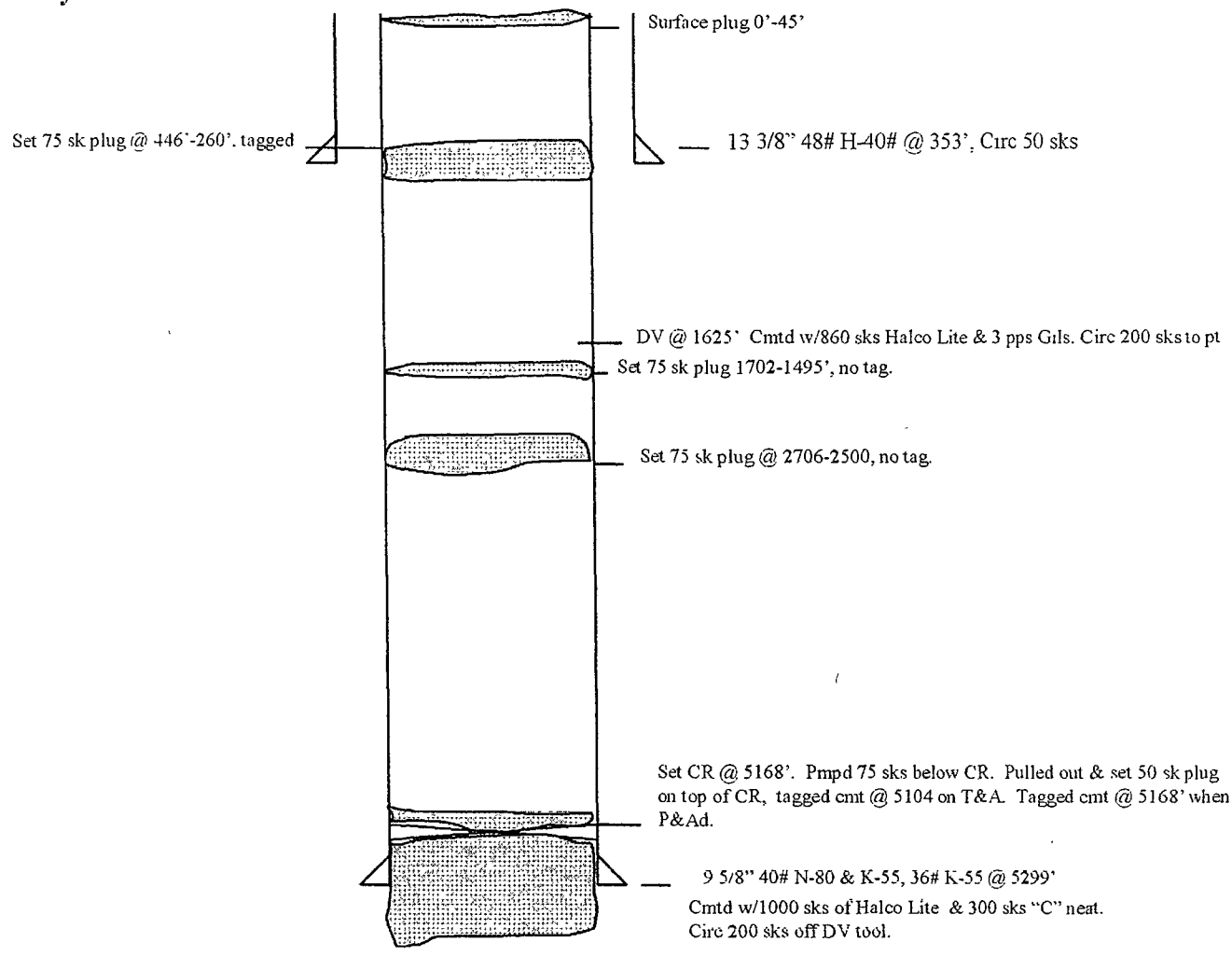
This application shall be filed with the City Administrator. Applications to drill, reenter or deepen a well or to install a water or gas repressurizing or injection facility or a trunk line shall be accompanied by an inspection fee of $5,000.00. All other applications shall be accompanied by a non-refundable filing fee of $500.00. The filing fee shall be paid in cash, company check, cashier's check or certified check made payable to the City of Carlsbad.

If a permit is granted, it will incorporate by reference and require compliance with all applicable City Ordinances and regulations, including, but not limited to the Wellhead and Water Protection Area, and all applicable laws, rules, regulations and requirements of the OCD, the State Land Office and the Bureau of Land Management. For a well, the permit will include by reference and require compliance with BLM Onshore Oil and Gas Order No. 2 (Drilling Operations) and OCD Rule 118 (Hydrogen Sulfide Gas). A PERMIT EXPIRES ONE YEAR AFTER THE DATE OF ITS APPROVAL if the permittee has not undertaken the activity authorized by the permit.

Inspection Fee:	☐ $5,000	**Payment:**	☐ Cash	☒ Company Check
Filing Fee:	☐ $500		☐ Cashier's Check	☐ Certified Check
Permit Action:	☐ Approved by Council	☐ Disapproved by Council		
Date of Action:	_____			

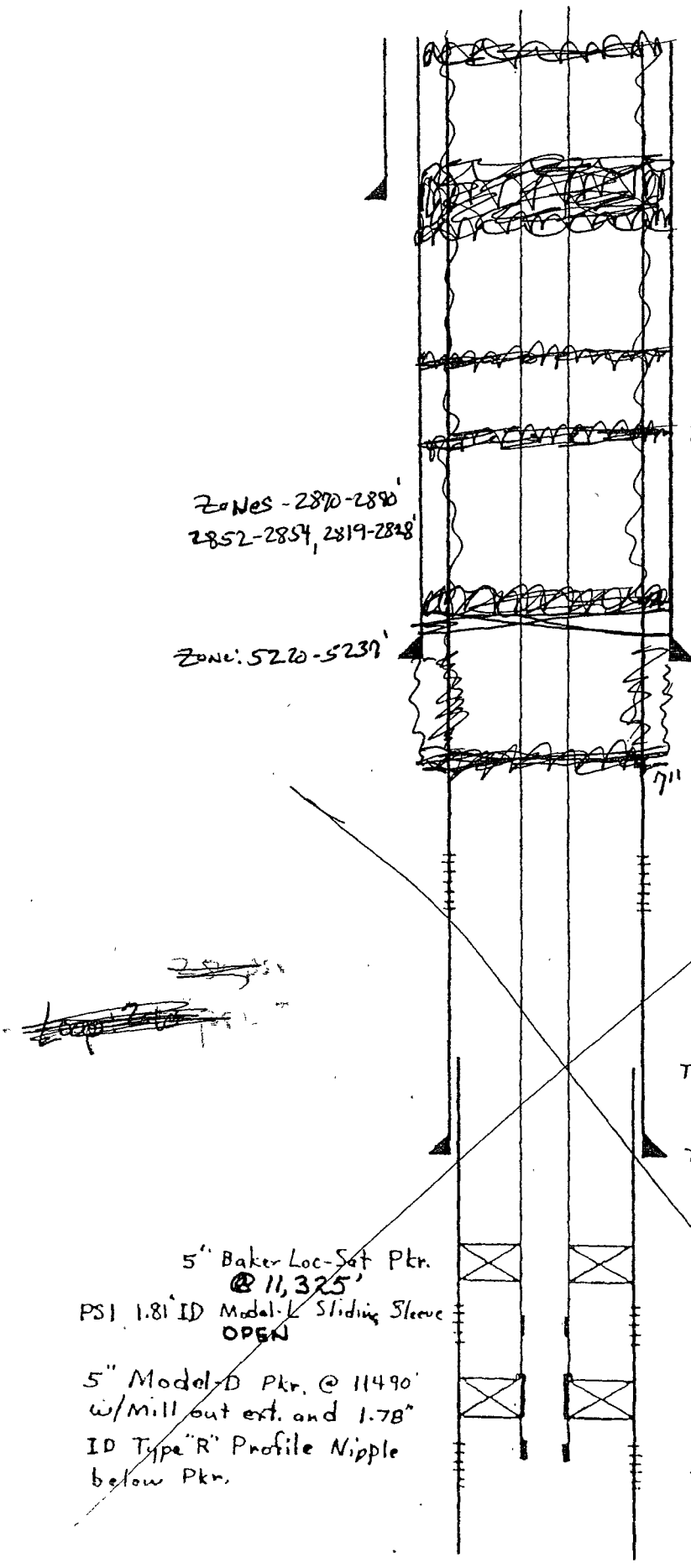
Chi Operating, Inc

Spencer "A" #1
Sec 30, T22S-R27E
Eddy Co. N.M.



Spencer-A No. 1

New Completion Installation



30-015-20481

0-45'

+gd e, 260'

13 3/8 @ 353'

446-240' 75 SKS "C"

1702-1495' - 75 SKS "C" No Tag

2706-2500' 75 SKS "C" No Tag

Zones - 2870-2880'
2852-2854, 2819-2828'

Tgd e 5168' on P&A

CR e 5191 - pmpd 75 SKS "C" bel

Zone: 5220-5239'

9 5/8" @ 5299' Pulled out & put 50 SKS on top of CR. Tgd e 5104' on T/A.

75 SKS Tgd e 7086'

7" Shot off e 7210' & pulled.

Strawn Perfs 10413'-429'
DEAD

Top 5" 18# Liner 10504'

7" @ 10609'

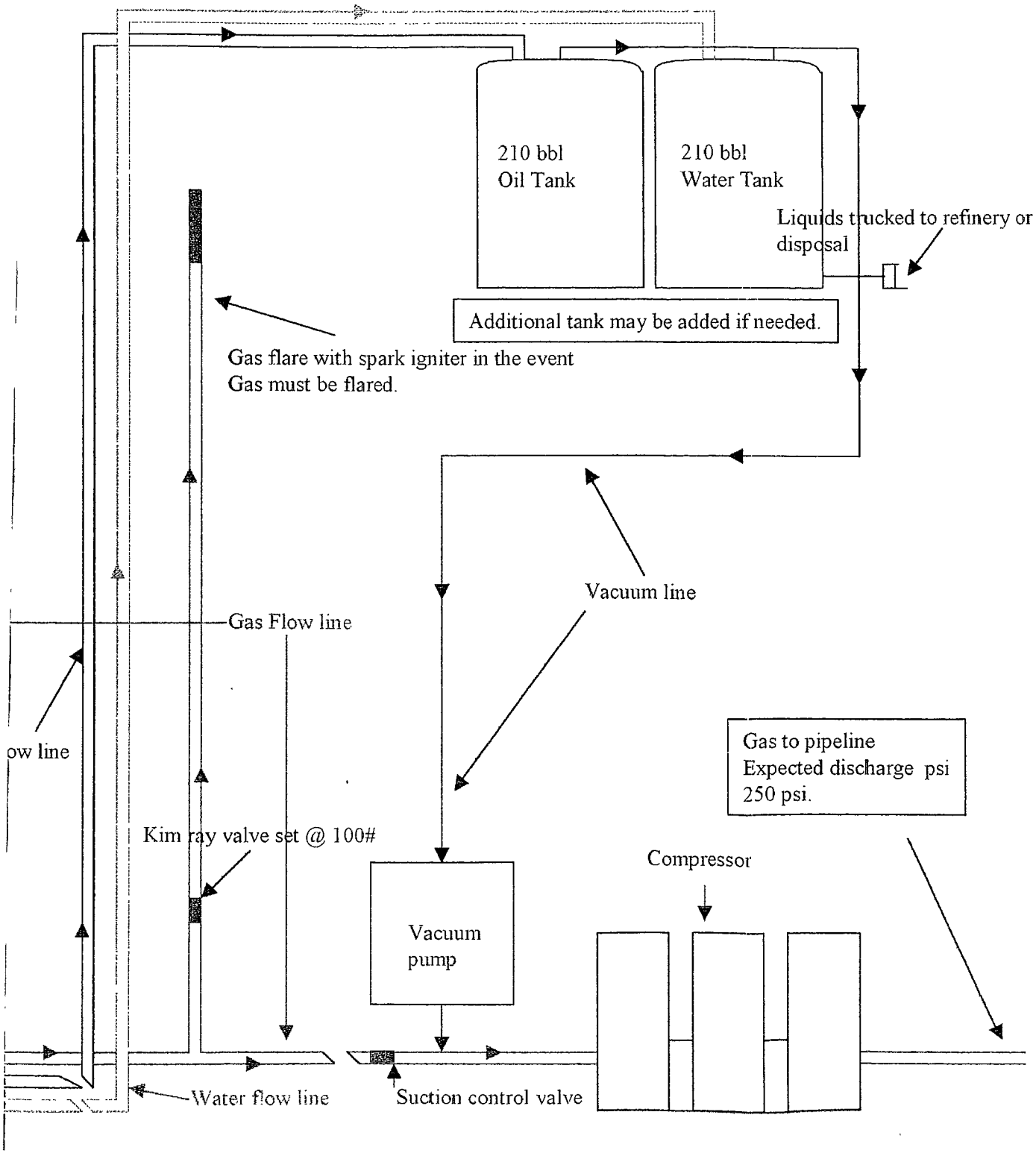
5" Baker Loc-Set Pkr.
@ 11,325'

PSI 1.81" ID Model-L Sliding Sleeve
OPEN

Old Morrow Perfs 11401'-470'

5" Model-D Pkr. @ 11490'
w/Mill out ext. and 1.78"
ID Type "R" Profile Nipple
below Pkr.

New Morrow Perfs 11511'-670'


210 bbl
Oil Tank
210 bbl
Water Tank
Liquids trucked to refinery or disposal
Additional tank may be added if needed.
Gas flare with spark igniter in the event
Gas must be flared.
Vacuum line
Gas Flow line
ow line
Gas to pipeline
Expected discharge psi
250 psi.
Kim ray valve set @ 100#
Compressor
Vacuum
pump
Water flow line
Suction control valve

Arrant, Bryan, EMNRD

From: Pam Corbett [pamc@chienergyinc.com]
Sent: Monday, June 25, 2007 3:16 PM
To: Arrant, Bryan, EMNRD
Subject: RE: Merland B # 1 and Spencer A # 1

Hey and Bryan: I guess I need to look into this and see what I need to do to get things straight.

From: Arrant, Bryan, EMNRD [mailto:bryan.arrant@state.nm.us]
Sent: Friday, September 29, 2006 2:22 PM
To: PamC@Chienergyinc.com; garyw@chienergyinc.com
Cc: Gum, Tim, EMNRD
Subject: Merland B # 1 and Spencer A # 1

Dear Pam and Gary-Good Friday Afternoon,

In review of the above noted wells, please submit the following for further review/and or approval:

A detailed H2S well contingency plan that meets the requirements of NMOCD's Rule 118.

The distance to the nearest public dwelling(s). In addition, please submit a detailed map of the immediate area and residences within a 1/4 mile radius.

How does Chi Operating, Inc. intend to test their BOPs / pressure control devices on the re-entry of these wells?

Are one or both of these wells inside the City limits of Carlsbad?
There is no notice to the City of Carlsbad as required per NMOCD Rule 19.15.3.102 (B) (1). on the C-101 forms submitted.

Please call if you have any ?????????s.

Bryan Arrant
NMOCD District II
District Geologist
505-748-1283 ext. 103

CC: Well file

Confidentiality Notice: This e-mail, including all attachments is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited unless specifically provided under the New Mexico Inspection of Public Records Act. If you are not the intended recipient, please contact the sender and destroy all copies of this message. -- This email has been scanned by the Sybari - Antigen Email System.

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30-015-20336

OGRID 192463

PROP 27670

POOL

1/25/70

(2) Gamma-Caliper Perf. Record

(2) Microlaterolog
9015'-11835'

(2) Laterolog
5300'-11826'

(2) Sonic Log-Gamma Ray 11/30/70
5300'-11837'

(2) Sonic Log-Gamma Ray 10/25/70
0-5292'

2033230-L

2033250-W

30-015-20336 32-22S-27E
~~Str~~ackbein A #1 Ut. E SW NW

Re-Order
Ennis
FILE FOLDER
21-1/3 DU

Penn - 10015

CITGO

INTER-OFFICE LETTER

September 29, 1970

RECEIVED
OCT 1 1970
O. C. C.
ARTESIA, OFFICE

TO: Mr. Cliff Robertson
Hobbs

FROM: J. Frank Riney
Midland

SUBJECT: W/2 Section 32, T-22-S, R-27-E,
Eddy County, New Mexico.

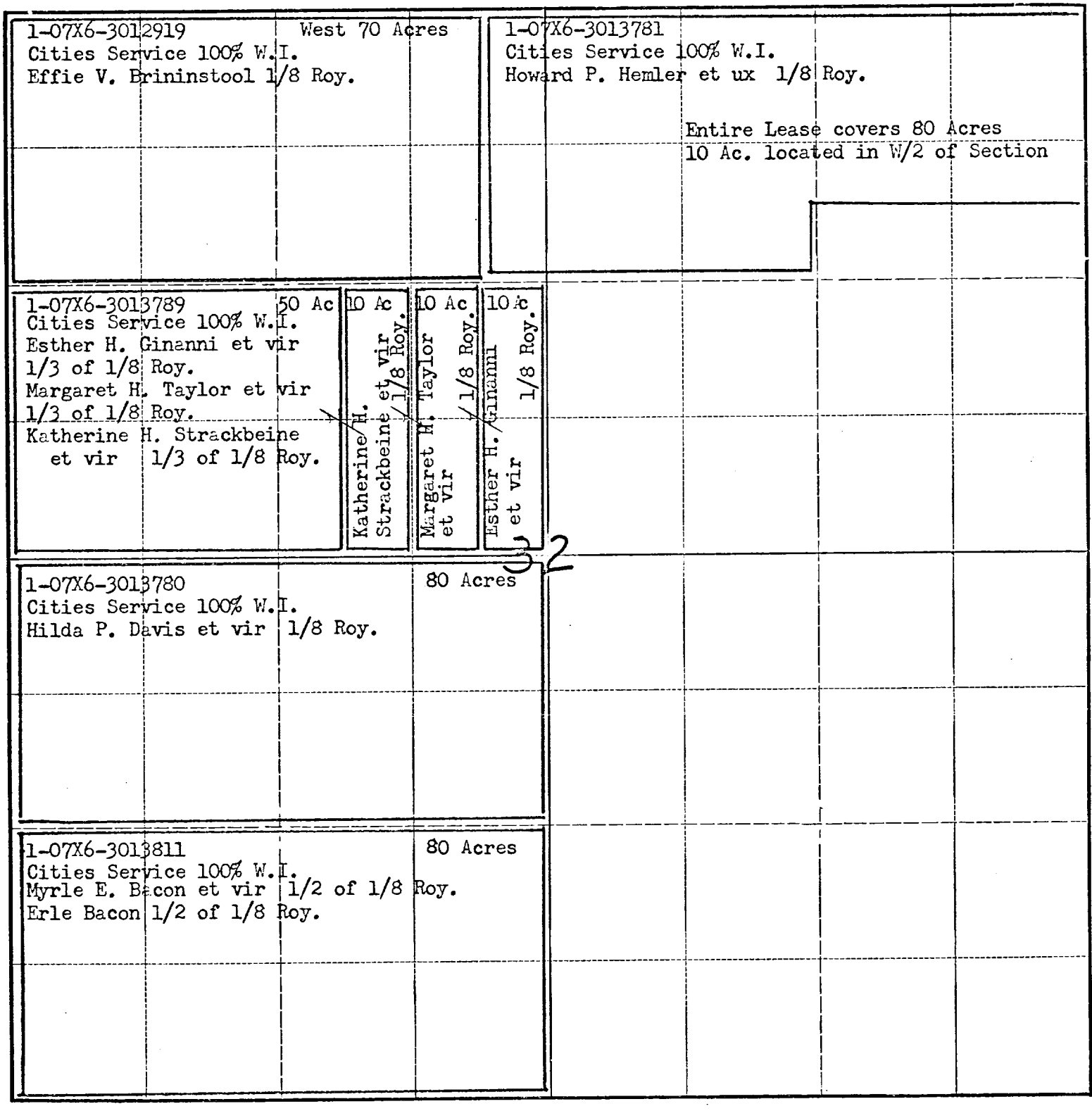
Attached is a plat showing the working interest ownership and the royalty ownership in the W/2 of Section 32, Township 22 South, Range 27 East.

JFR:vp

Attachments

STATE NEW MEXICO COUNTY EDDY

TOWNSHIP 22 SOUTH, RANGE 27 EAST



FORM GEOL. 47—2M 6-54 14525 THE JOPLIN PRINTING CO., JOPLIN, MO.

SCALE: 4 INCHES EQUAL 1 MILE

NEW MEXICO OIL CONSERVATION COMMISSION

WELL LOCATION AND ACREAGE DEDICATION PLAT

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

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

Operator	Lease	Well No.
CITIES SERVICE OIL COMPANY	STRACKBEIN "A"	1

Unit Letter	Section	Township	Range	County
E	32	22 SOUTH	27 EAST	EDDY

Actual Footage Location of Well:
1980 feet from the NORTH line and 660 feet from the WEST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3204 (Est.)	Morrow	Undesignated	320 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

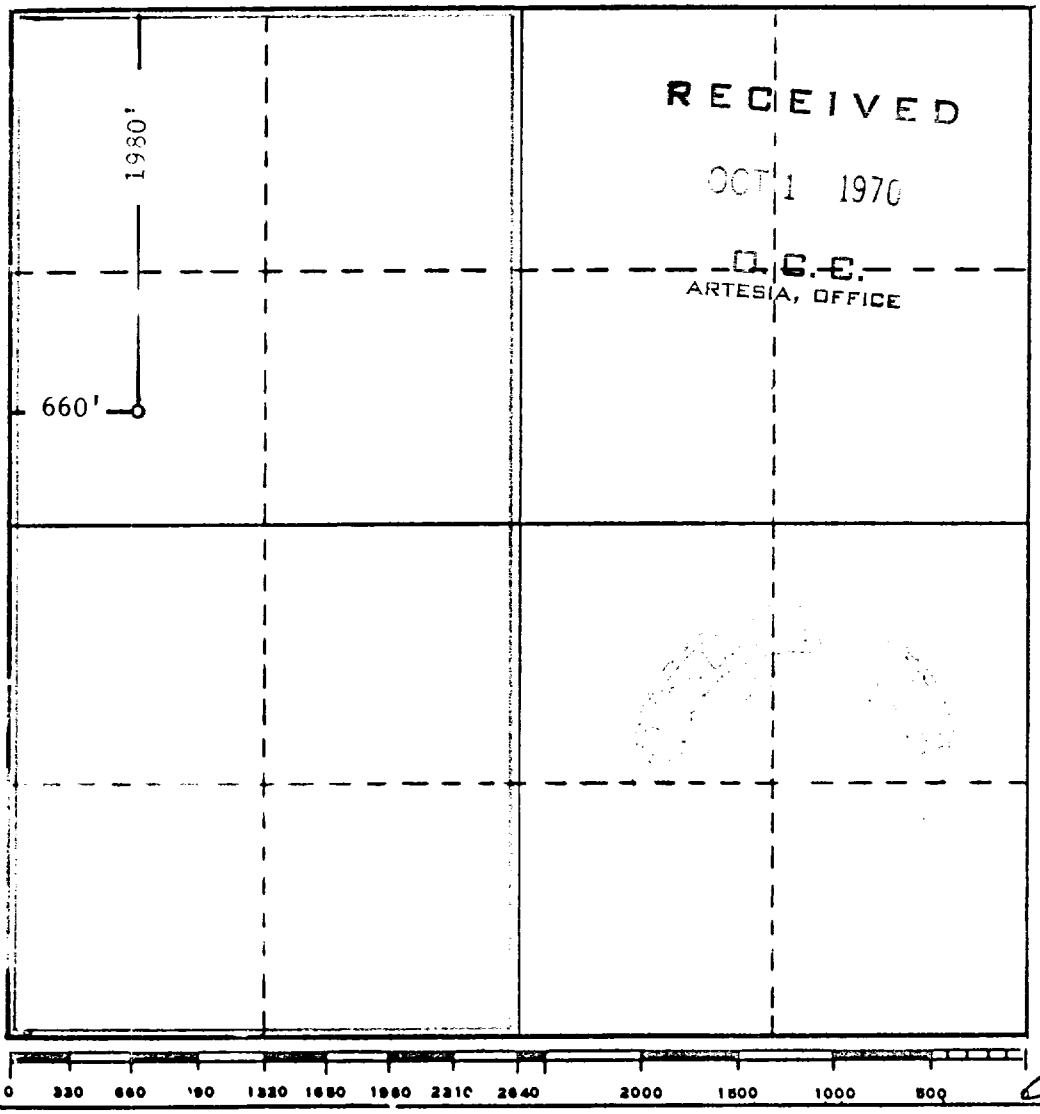
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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

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

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



CERTIFICATION

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

Name
[illegible] SIGNED
[illegible] RTSON

Position
District Admin. Supervisor

Company
Cities Service Oil Company

Date
September 25, 1970

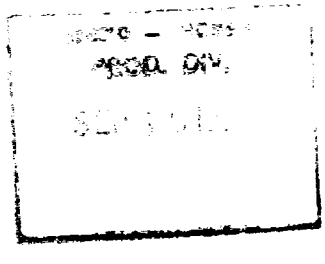
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
SEPT. 25, 1970

Registered Professional Engineer and/or Land Surveyor

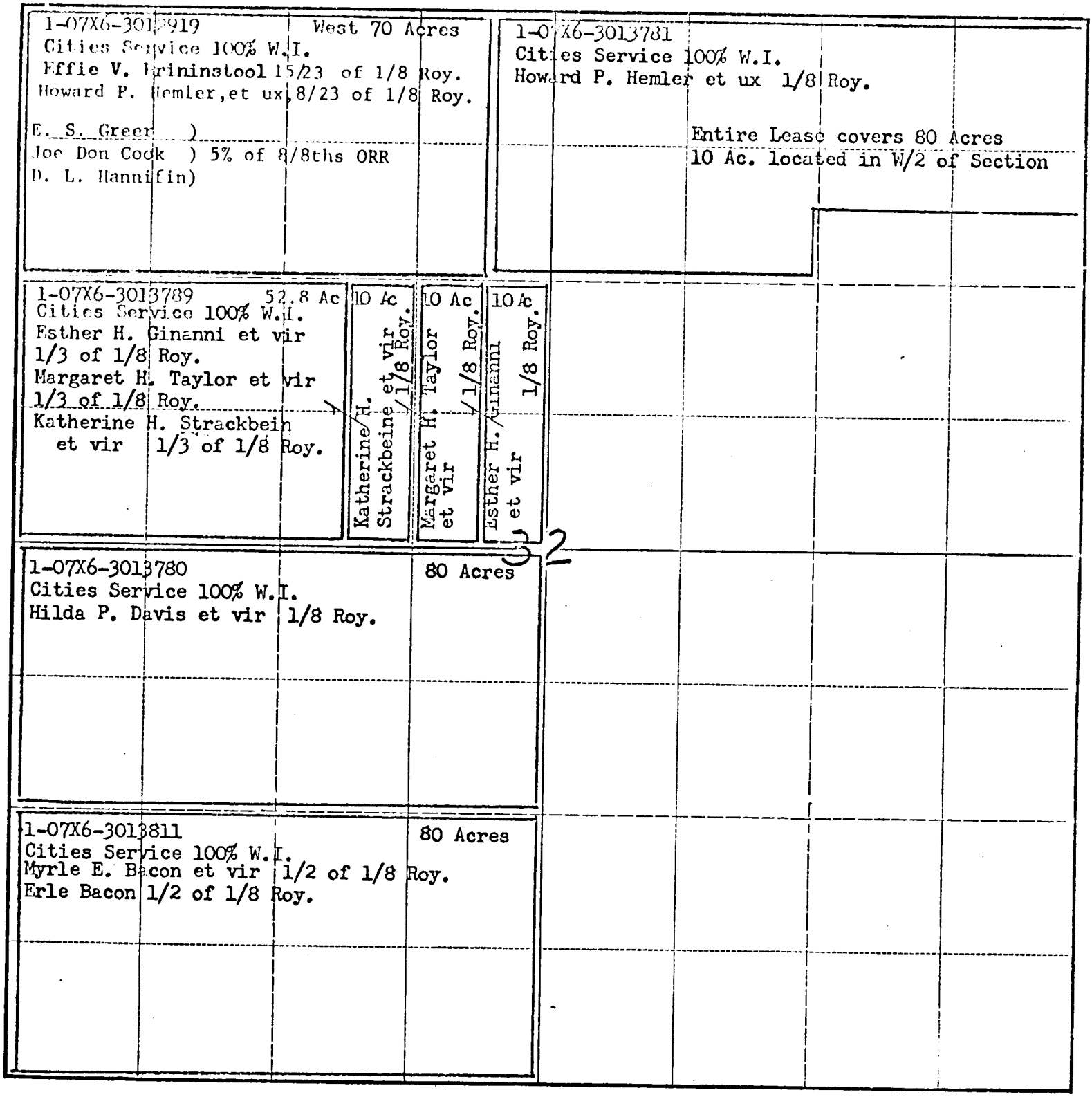
John W. West

Certificate No. 676



STATE NEW MEXICO COUNTY EDDY

TOWNSHIP 22 SOUTH, RANGE 27 EAST



CITGO

RECEIVED
OCT 13 1970
O. C. D.
ARTESIA, OFFICE

INTER-OFFICE LETTER

October 8, 1970

TO: Mr. Cliff Robertson
Hobbs

FROM: J. Frank Riney
Midland

SUBJECT: Cities Service Oil Company No. 1 Strackbein,
W/2 Section 32, Township 22 South, Range 27 East,
Eddy County, New Mexico.

On September 29, 1970 we forwarded a plat showing the working interest ownership and royalty ownership under the W/2 of Section 32.

We are enclosing two copies of a plat with several corrections on them which were made as the result of a check by our Bartlesville Office. These changes are in the West 70 acres of the N/2 NW/4 and West 52.8 acres of the W/2 of the NW/4.

Mr. Stamets of the Artesia Oil Conservation Commission Office requested that we forward a corrected plat. Please furnish the Oil and Gas Conservation Commission Office in Artesia with one of the attached plats.

Thank you.

JFR:vp

Enclosures

REC'D - HOBBS
PROD. DIV.
OCT 9 1970

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LAND OFFICE		
OPERATOR		

30-015-20336

NEW MEXICO OIL CONSERVATION COMMISSION

RECEIVED

SEP 29 1970

O. C. C.
ARTESIA, OFFICE

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease STATE ☐ FEE ☒

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. Type of Well

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

7. Unit Agreement Name

8. Farm or Lease Name
Strackbein "A"

2. Name of Operator
Cities Service Oil Company

9. Well No.
1

3. Address of Operator
Box 69 - Hobbs, New Mexico 88240

10. Field and Pool, or Wildcat
Undesignated

4. Location of Well UNIT LETTER **E** LOCATED **1980** FEET FROM THE **North** LINE AND **660** FEET FROM THE **West** LINE OF SEC. **32** TWP. **22S** RGE. **27E** NMPM

12. County
Eddy

19. Proposed Depth	19A. Formation	20. Rotary or C.T.
11,800	**Morrow**	**Rotary**

21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
3204 GR (Est.)	**Required-Approved**	**Not Released**	**Oct. 2, 1970**

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17½"	13 3/8"	48#	350	Circulate	G.L.
12¼"	9 5/8"	36# & 40#	5300	Circulate	G.L.
8 3/4"	7"	23#,26#,29# & 32#	11800	400 Sacks	8880

It is proposed to drill to a TD of 11800' and test the Morrow Formation. The blow out prevention program is as follows:

1. One set blind rams.
2. One set drill pipe rams.
3. One hydrill.
4. One rotating head.

APPROVAL VALID FOR 90 DAYS UNLESS DRILLING COMMENCED,
EXPIRES 1-1-71

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed ORIGINAL SIGNED J. L. ROBERTSON Title **District Admin. Supervisor** Date **9/25/70**

(This space for State Use)

APPROVED BY W. A. Gressett TITLE **OIL AND GAS INSPECTOR** DATE OCT 1 1970

CONDITIONS OF APPROVAL, IF ANY:

Cement must be circulated to surface behind [illegible] casing

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LAND OFFICE	
OPERATOR	

RECEIVED
OCT 13 1970
O. C. C.
ARTESIA, OFFICE

NEW MEXICO OIL CONSERVATION COMMISSION

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

5a. Indicate Type of Lease
State ☐ Fee ☒

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL ☐ GAS WELL ☒ OTHER-

7. Unit Agreement Name

2. Name of Operator
Cities Service Oil Company

8. Farm or Lease Name
Strackbein "A"

3. Address of Operator
Box 69 - Hobbs, New Mexico 88240

9. Well No.
1

4. Location of Well
UNIT LETTER E, 1980 FEET FROM THE North LINE AND 660 FEET FROM THE West LINE, SECTION 32 TOWNSHIP 22S RANGE 27E NMPM.

10. Field and Pool, or Wildcat
Undesignated

15. Elevation *(Show whether DF, RT, GR, etc.)*
3204 GR

12. County
Eddy

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☒	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☒	
OTHER ☐		OTHER ☐	

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

T.D. 352 Lime. Prep. to drill ahead. Spudded on 10-7-70. Drilled to a TD of 352 Lime. Ran 10 jts (330.55') 13 3/8" OD 48# H-40 casing set and cemented @ 352' w/380 sacks Class C cement w/2% CaCl. Plug down @ 8:30 PM on 10-7-70. Circulated 75 sacks of cement to surface. WOC 24 hrs. Tested 13 3/8" casing w/1000 PSI for 30 minutes with no drop in pressure.

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

SIGNED _____ TITLE District Admin. Superivsor DATE 10-12-70

APPROVED BY W. A. Gressett TITLE OIL AND GAS INSPECTOR DATE OCT 14 1970

CONDITIONS OF APPROVAL, IF ANY:

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LAND OFFICE		
OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

RECEIVED
NOV 12 1970
O. C. C.
ARTESIA, OFFICE

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

5a. Indicate Type of Lease: State ☐ Fee ☒

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL ☐ GAS WELL ☒ OTHER-

7. Unit Agreement Name

2. Name of Operator
Cities Service Oil Company

8. Farm or Lease Name
Strackbein "A"

3. Address of Operator
Box 69 - Hobbs, New Mexico 88240

9. Well No.
1

4. Location of Well
UNIT LETTER **E**, **1980** FEET FROM THE **North** LINE AND **660** FEET FROM THE **West** LINE, SECTION **32** TOWNSHIP **22S** RANGE **27E** NMPM.

10. Field and Pool, or Wildcat
Undesignated

15. Elevation *(Show whether DF, RT, GR, etc.)*
3204 GR

12. County
Eddy

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☒	
OTHER ☐		OTHER ☐	

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

T.D. 5294 Lime. Prep. to drill ahead. Ran 24 jts. (1017.13') 9 5/8" OD 40# N-80, 33 jts (1077.58') 9 5/8" OD 40# K-55, and 98 jts (3181.10') 9 5/8" OD 36# K-55 Casing set and cemented @ 5292.81 w/710 sacks Halliburton Lite cement w/3# Gilsonite + ¼# Floseal per sack followed by 300 sacks Class "C" Neat. Plug down @ 5:40 AM on 10/26/70. Opened DV tool @ 1628 @ 5:50 AM and circulated 4 hours. Circulated out 9 sacks cement from first stage. Cemented through DV tool w/790 sacks Halliburton Lite cement w/3# Gilsonite + ¼# Floseal per sack. Circulated 65 sacks to pit. Plug down @ 10:35 PM on 10/26/70. WOC 24 hours. Tested 9 5/8" casing with 1500 psi for 30 minutes with no drop in pressure.

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

SIGNED _____ TITLE **District Admin. Supervisor** DATE **11/10/70**

APPROVED BY W. A. Gressett TITLE **OIL AND GAS INSPECTOR** DATE NOV 12 [illegible]

CONDITIONS OF APPROVAL, IF ANY:

GGR = .58%

CO_2 1.2%

N_2 .2%

PCR = 672 + 4 - 0 = 676

TCR = 354-1-1 = 352

N

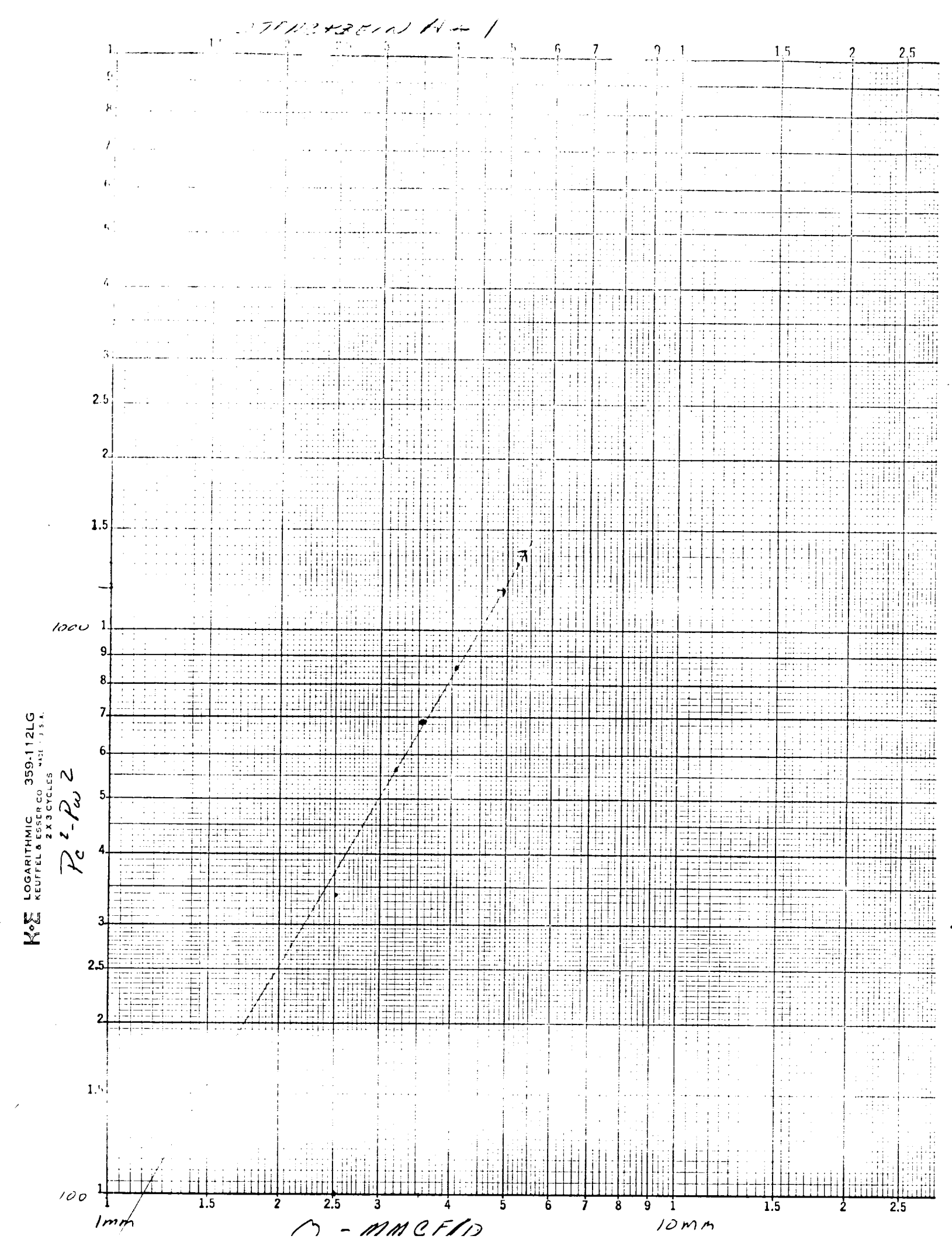
$P_c^2 - P_w^2 = 1000$ Q = 4.510 MMCF/Day

$P_c^2 - P_w^2 = 100$ Q = 1.320 MMCF/Day

Log Q 1000 = .65321

Log Q 100 = .12057

.53274 = .533


LOGARITHMIC
KEUFFEL & ESSER CO
359-112LG
2 X 3 CYCLES
$P_c^2 - P_w^2$
1000
100
1mm
10mm
Q - MMCFD

N . MEXICO OIL CONSERVATION COMM. ON

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: ☒ Initial ☐ Annual ☐ Special				Test Date: 12-15-70	
Company: Cities Service Oil (Artesia Office)		Connection: -			
Pool: Undesignated		Formation: Morrow		Unit: B	
Completion Date: 12-15-70	Total Depth: 11,341	Plug Back TD: 11,735	Elevation:	Farm or Lease Name: Strackbein A	
Csg. Size: 5½ / Wt.: 17# & 20# / d: / Set At: 11,325		Perforations: From 11,763 To 11,400 / 11,773 / 11,480		Well No.: 1	
Tbg. Size: 2 3/8 / Wt.: 4.7 / d: 1.995 / Set At: 11,310		Perforations: From To		Unit: E / Sec.: 32 / Twp.: 22S / Rge.: 27E	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: 11310		County: Eddy	
Producing Thru: Tubing	Reservoir Temp. °F: 11340@ 178	Mean Annual Temp. °F: 68	Baro. Press. – P_a: 13.2	State: New Mexico	

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
11,310	11,316	.58	1.04	.24	-	Orifice	4"	Flange

NO.	FLOW DATA: Prover Line Size	X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI						2501				
1.	4	2	900	9.5	86	2365	72			1 hr
2.	4	2	910	15	83	1932	72			1 hr
3.	4	2	920	15	83	1708	72			1 hr
4.	4	2	930	24	80	1259	72			1 hr
5.										

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	19.81	93.03	913.2	.9755	1.313	1.063	2.512
2.	19.81	117.7	923.2	.9736	1.313	1.065	3.191
3.	19.81	129.6	933.2	.9706	1.313	1.066	3.516
4.	19.81	150.14	943.2	.9613	1.313	1.063	4.081
5.							

NO.	P_r	Temp. °R	T_r	Z
1	1.35	546	1.55	.885
2.	1.37	543	1.54	.901
3.	1.38	543	1.54	.900
4.	1.40	540	1.53	.877
5.				

Gas Liquid Hydrocarbon Ratio - Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons No Liquid Deg.
Specific Gravity Separator Gas .58 XXXXXXXXX
Specific Gravity Flowing Fluid .58 XXXXX
Critical Pressure 676 P.S.I.A. P.S.I.A.
Critical Temperature 352 R R

P_c 3713.2 P_c^2 13786

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		3234.2	1.046	340
2		2882.2	831	567
3		2631.2	692	694
4		2291.2	525	861
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.61$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.208$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 5.25$ mcfd

Point 4

Absolute Open Flow 5.250 Mcfd @ 15.025 | Angle of Slope θ | Slope, n .533

Remarks: Pw was taken from bottom hole pressure bomb.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Jerry Sexton	Jerry Sexton	

Flow gas at the rate of 1431 MCFD/4 hrs. FTP 950-1000 PSI. Acidized thru perfs. (11400-11480) w/1500 gals. super mud acid mixed w/15% ISO propyl alcohol and 6 ball sealers + 500 gals. 10% HCL + 1000 gals. 5% HCL containing clay stabilizing agent. Max. press. 4900 PSI. Treated @ 2.3 B/M @ 3200 PSI. ISIP 2600 PSI, 5 min SIP 800 PSI. Swabbed 30 BLW and well started flowing, and flowed on 4 point test as follows:

Point #1, 12/64" choke, FTP 2365 PSI, Gas Volume 2.512 MM

Point #2, 16/64" choke, FTP 1932 PSI, Gas Volume 3.191 MM

Point #3, 18/64" choke, FTP 1708 PSI, Gas Volume 3.516 MM

Point #4, 30/64" choke, FTP 1269 PSI, Gas Volume 4.081 MM

BHSIP 3710 PSI/16 hrs. A.O.F. 4.9 MMCFD BTU content of gas 1003, Sp. Gr. of gas 0.58, slope of points = .533
Well flowed 7½ BLW during test, no distillate. Well complete on 12-17-70.

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U.S.G.S.		
LAND OFFICE		
OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

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

5a. Indicate Type of Lease
State ☐ Fee ☒

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL ☐ GAS WELL ☒ OTHER-

7. Unit Agreement Name

2. Name of Operator
Cities Service Oil Company

8. Farm or Lease Name
Strackbein "A"

3. Address of Operator
Box 69 - Hobbs, New Mexico 88240

9. Well No.
1

4. Location of Well
UNIT LETTER **E**, **1980** FEET FROM THE **North** LINE AND **660** FEET FROM THE **West** LINE, SECTION **32** TOWNSHIP **22S** RANGE **27E** NMPM.

10. Field and Pool, or Wildcat
S. Carlsbad Morrow
Undesignated

15. Elevation *(Show whether DF, RT, GR, etc.)*
3181 DF

12. County
Eddy

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☒	
OTHER ☐		OTHER Completion Data ☒	

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

T.D. 11841 Shale PBTD 11795. Shut in waiting on gas connection. Ran 56 jts. (2214.43') 5½" OD 20# N-80, 76 jts (3231.57') 5½" OD 17# 8R N-80, 14 jts (430.14') 5½" 17# Buttress N-80, 124 jts (3850.46) 5½" OD 17# Buttress K-55 and 61 jts (2098.65') 5½" OD 17# 8R N-80 casing set and cemented @ 11840.25 w/DV tool @ 10012. Cemented 1st stage w/480 sacks Class C cement w/8# salt + 0.75% CFR-2 w/¼# Flo seal per sack. Plug down @ 2:10 AM on 12/2/70. Opened DV tool @ 3:00 AM and circulated out 50 sacks cement. Circulated thru DV for 4 hrs. Cemented 2nd stage thru DV @ 10012 w/552 sacks Class C cement w/8# salt + 0.75% CFR-2 w/¼# Flo seal per sack. Plug down @ 8 AM on 12-2-70. Ran temp. survey top of cement @ 7440. WOC 48 hrs. DO out DV tool @ 10012 and CO to 11795. Tested 5½" casing with 2000 PSI for 30 minutes with no drop in pressure. Ran Baker Model D packer Set @ 11310. Ran 354 jts. 2 3/8" OD Buttress tubing set in packer @ 11310. Perforated w/1 - 0.28" hole each @ 11763, 11765, 11767, 11769 and 11773. Swabbed load water w/slight blow. Acidized thru perfs. (11763-11773) w/1500 gals. super mud acid mixed w/15% ISo Propyl alcohol + 500 gals. 10% HCL acid + 1000 gals. 5% HCL containing clay stabilizing agent. Max. press. 6000 PSI. Treated @ 2 B/M @ 4300 PSI ISIP 2000 PSI. Swabbed 105 BLW/7½ hrs. Well started flowing. Flowed 28 BLW + gas at the rate of 1090 MCFD/7 hrs. FTP 950 PSI thru 30/64" choke. 16 hr SITP 3820 PSI. Perforated the upper Morrow w/1 - 0.28" hole each @ 11400, 11403, 11406, 11411, 11457, 11459, 11461, 11466, 11475, 11477 and 11480.

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

SIGNED [signature] TITLE District Admin. Supervisor DATE 1/22/71

APPROVED BY W. A. Gressett TITLE OIL AND GAS INSPECTOR DATE JAN 25 1971

CONDITIONS OF APPROVAL, IF ANY:

Cities Service Oil Company #1 Strackbein "A"

Sec. 32-T22S-R27E Eddy County, New Mexico

DST #1: 10395-10491 (96') Strawn, 2400' water cushion 3/4" bottom choke, 1" top choke. Tool opened for 15 minute pre flow. Closed tool for 1 hour test. No surface indication of gas or fluid entry. Closed tool for 1 hour FSIP. Pulled packer loose. 1½ hour ISIP 1333 psi, IFP 1034 psi, FFP 1012 psi, 1 hour FSIP 1034 psi, HCP initial and final 5571 psi, BH temp. 170° F. Recovered 30' of drilling water plus the water blanket.

DST #2: 11399-11500 (101') Morrow. 3500' water cushion, 3/4" bottom choke, ¼" top choke. Opened tool for 23 minute preflow, water blanket to surface in 10 min. Gas in 23 minutes. Closed tool for 1 hour ISIP. Opened tool for 45 minutes with gas rate increasing to 4.7 MMCFD. Surface flowing pressure 3100-3300 psi on ¼" choke. Annuls started kicking. Closed rams. Bled annulus to pit. Pulled packer loose w/2800 psi in drill pipe and reversed. Lost 350 barrels of mud. 1 hour ISIP 4760 psi, I.F. 3517 psi, F.F. 3974 psi, FSIP 4668 not stabilized. IMCP 6412 psi, FMCP 6366. Annulus kicking too much to allow stabilization.

RECEIVED

NOV 12 1971

O. C. C.
ARTESIA, OFFICE

NEW MEXICO OIL CONSERVATION COMMISSION

P. O. DRAWER "DD"

ARTESIA, NEW MEXICO 88210

AIR MAIL

NOTICE OF GAS CONNECTION DATE November 10, 1971.

This is to notify the Oil Conservation Commission that connection for the purchase of gas from the Cities Service Oil Co. (Operator) Strackbein "A" (Lease).

Well #1-Unit Letter "E". (Well Unit) 32-22S-27E (S.T.R.) Eddy County. Carlsbad, S.(Morrow). (Pool) Transwestern (Name of purchaser).

was made on November 9, 1971.

Transwestern Pipline Company

H. N. Aicklen
Representative

Supervisor Gas Purchase Contract Administration
Title

cc: Operator
Oil Conservation Commission - Santa Fe

AFFIDAVIT

State of New Mexico

County of Lea

Cities Service Oil Company

Lease Name Strackbein "A" Well No. 1

In Sec. 32 Twp. 22S Rge. 27E

_____

_____ County

of Eddy State of

New Mexico E. Y. Wilder of lawful age being first dual sworn

deposes and says:

That he supervises development and operation of the captioned lease and is duly qualified and authorized to make this affidavit and is fully acquainted with all facts herein set out concerning Deviation test and Directional drilling.

Degrees	Depth	Degrees	Depth	Degrees	Depth
.25	168	1.25	6540		
.75	353	1.00	6892		
.75	535	1.25	7390		
1.00	792	1.25	7889		
2.00	1125	1.50	8183		
2.00	1220	1.50	8630		
2.00	1293	.75	9011		
1.75	1437	1.25	9501		
2.00	1562	2.25	9998		
2.00	1615	2.50	10210		
1.50	1813	2.75	10330		
1.50	1914	2.25	10491		
1.00	2136	2.50	10704		
.75	2545	1.00	11110		
.50	2800	1.00	11500		
.25	3260	1.50	11802		
.75	3720	1.50	11841		
1.00	4217				
1.50	4710				
1.50	5200				
1.00	5580				
1.00	6040				

Further affiant saith not.

E. Wilder

Subscribed and sworn to before me this 22nd day of January 19 71

My Commission Expires March 1, 1972

Anna M. Eyer Notary Public

Lea County, New Mexico

U. S. G. S. COPIES RECEIVED		
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TRANSPORTER OIL		
TRANSPORTER GAS		
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NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND GAS

RECEIVED
NOV 9 1971
O. C. C.
ARTESIA, OFFICE

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

I.

Operator
CITIES SERVICE OIL COMPANY

Address
P.O. BOX 69, Hobbs, New Mexico 88240

Reason(s) for filing *(Check proper box)*

New Well ☐
Recompletion ☐
Change in Ownership ☐
Change in Transporter of: Oil ☐ Dry Gas ☐ Casinghead Gas ☐ Condensate ☐

To report authorized transporter of gas.

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

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name or Formation	Kind of Lease	Lease No.
STRACKBEIN "A"	1	~~Undes.~~ S. Carlsbad Morrow	State, Federal or Fee Fee	

Location
Unit Letter E : 1980 Feet From The North Line and 660 Feet From The West

Line of Section 32 Township 22S Range 27E County Eddy

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☐ — Address (give address to which approved copy of this form is to be sent),

Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas X — Address (give address to which approved copy of this form is to be sent),

Transwestern Pipeline Company — P.O. Box 2521, Houston, Texas 77001

If well produces oil or liquids, give location of tanks. Unit - Sec. - Twp. - Rge. -- — Is gas actually connected? Yes — When 11-9-71

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

IV. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.

Date Spudded	Date Compl. Ready to Prod.	T.D.
Elevations *(DF, RKB, RT, GR, etc.)*	Name of Producing Formation	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 total volume of load oil and must be equal to or exceed top allowable for this depth or be for a 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-Bbls. / Gas-MCF

GAS WELL

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

VI. CERTIFICATE OF COMPLIANCE

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

OIL CONSERVATION COMMISSION
APPROVED NOV 15 1971, 19
BY W. A. Gressett
TITLE OIL AND GAS INSPECTOR

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

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

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

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

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

(Signature)
District Administrative Supervisor
(Title)
November 8, 1971
(Date)

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	GAS	
OPERATOR		
PRORATION OFFICE		

NEW MEXICO OIL CONSERVATION COMMISSION

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

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

JAN 29 1971

U. S. G. S.
ARTESIA, OFFICE

I. **Operator**

Cities Service Oil Company

Address

P. O. Box 69 - Hobbs, New Mexico 88240

Reason(s) for Filing (Check proper box)		Other (Please explain)
New well	X	Change in Transporter of:
Recompletion		Oil ☐ Dry Gas ☐
Change in Ownership		Casinghead Gas ☐ Condensate ☐

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

II. **DESCRIPTION OF WELL AND LEASE**

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Strackbein "A"	1	~~Undesignated~~ S. Carlsbad - Morrow	State, Federal or Fee Fee	-

Unit Letter E, 1980 Feet From The North Line and 660 Feet From The West

Section 32 Township 22S Range 27E, NMPM, Eddy County

III. **DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS**

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

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

~~No gas connection or transporter at time of this filing.~~ Transwestern Pipeline Co. P O Box 2521 Houston Texas 77001

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
					Yes	11-9-71

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

IV. **COMPLETION DATA**

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		X	X				*	

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
10-7-70	12-17-70	11841	11795
Elevations (DF, RKB, RT, GR, etc.)	**Name of Producing Formation**	**Top Oil/Gas Pay**	**Tubing Depth**
3181 DF	Morrow	11400	11310
Perforations 1 - 0.28" hole each @ 11400, 11403, 11406, 11411, 11457, 11459, 11461, 11466, 11475, 11480, 11763, 11765, 11767, 11769 and 11773.			Depth Casing Shoe 11840

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
17½"	13 3/8"	352	380 sacks
12¼"	9 5/8"	5293	1800 sacks
8 3/4"	5 ½"	11840	1032 sacks
	2 3/8"	11310	

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

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 - Bbls.	Gas - MCF

GAS WELL 3 PC tests discussed

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
A.O.F. 4,900 MCFD	4 hours	-	-
Testing Method (pitot, back pr.)	**Tubing Pressure (Shut-in)**	**Casing Pressure (Shut-in)**	**Choke Size**
-	3710 PSI	-	12/64", 16/64", 18/64" & 30/64"

VI. **CERTIFICATE OF COMPLIANCE**

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

ORIGINAL SIGNED
J. A. ROBERTSON

(Signature)

District Admin. Supervisor

(Title)

January 22, 1971

(Date)

OIL CONSERVATION COMMISSION

APPROVED NOV 15 1971, 19 _____

BY W. A. Gressett

OIL AND GAS INSPECTOR

TITLE _____

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

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

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

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

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

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Form C-105
Revised 1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease: State ☐ Fee ☒

5. State Oil & Gas Lease No.

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER

7. Unit Agreement Name

8. Farm or Lease Name: **Strackbein "A"**

2. Name of Operator: **Cities Service Oil Company**

9. Well No.: **1**

3. Address of Operator: **Box 69 - Hobbs, New Mexico 88240**

10. Field and Pool, or Wildcat: ~~Undesignated~~ **L. Carlsbad-Morrow**

4. Location of Well

UNIT LETTER **E** LOCATED **1980** FEET FROM THE **North** LINE AND **660** FEET FROM THE **West** LINE OF SEC. **32** TWP. **22S** RGE. **27E** NMPM

12. County: **Eddy**

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Cashinghead
10-7-70	11-29-70	12-17-70	3181 DF	3166

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
11841	11795	-	→	0-TD 11841	-0-

24. Producing Interval(s), of this completion — Top, Bottom, Name: **11400-11480, 11763-11773, Morrow**

25. Was Directional Survey Made: **No**

26. Type Electric and Other Logs Run: **Borehole Compensated Sonic-Gamma Ray, Laterolog, Micro-Laterolog, Gamma Collar Perf.**

27. Was Well Cored: **No**

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

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	48#	352	17½"	380 sacks Circ.	-
9 5/8"	36# & 40#	5293	12¼"	1800 sacks Circ.	-
5 ½"	17# & 20#	11840	8 3/4"	1032 sacks Top 7700?	-

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8"	11310	11310

31. Perforation Record (Interval, size and number)

1 - 0.28" hole each @ 11,400, 11403, 11,406, 11411, 11457, 11459, 11461, 11466, 11475, 11477, 11480, 11763, 11765, 11767, 11769, and 11773.

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
11400-11480	1500 gals. mud acid, 500 gals. 10% HCL, 1000 gals. 5% HCL acid.
11763-11773	1500 gals. mud acid 500 gals. 10% HCL, 1000 gals. 5% HCL acid.

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping — Size and type pump)	Well Status (Prod. or Shut-in)
12-12-70	Flowing	Shut In

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas — Oil Ratio
12-17-70	4 (4 Point Test)			-	-	-	-

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)
1269	-		-	4,900 (A.O.F.)	-	-

34. Disposition of Gas (Sold, used for fuel, vented, etc.): **Well shut in awaiting pipeline connection**

Test Witnessed By: **J. T. Sexton**

35. List of Attachments: **Above listed logs - Deviation Survey**

36. *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.*

ORIGINAL SIGNED C. D. ROBERTSON

SIGNED _____ TITLE **District Admin. Supervisor** DATE **1/22/71**

INSTRUCTIONS

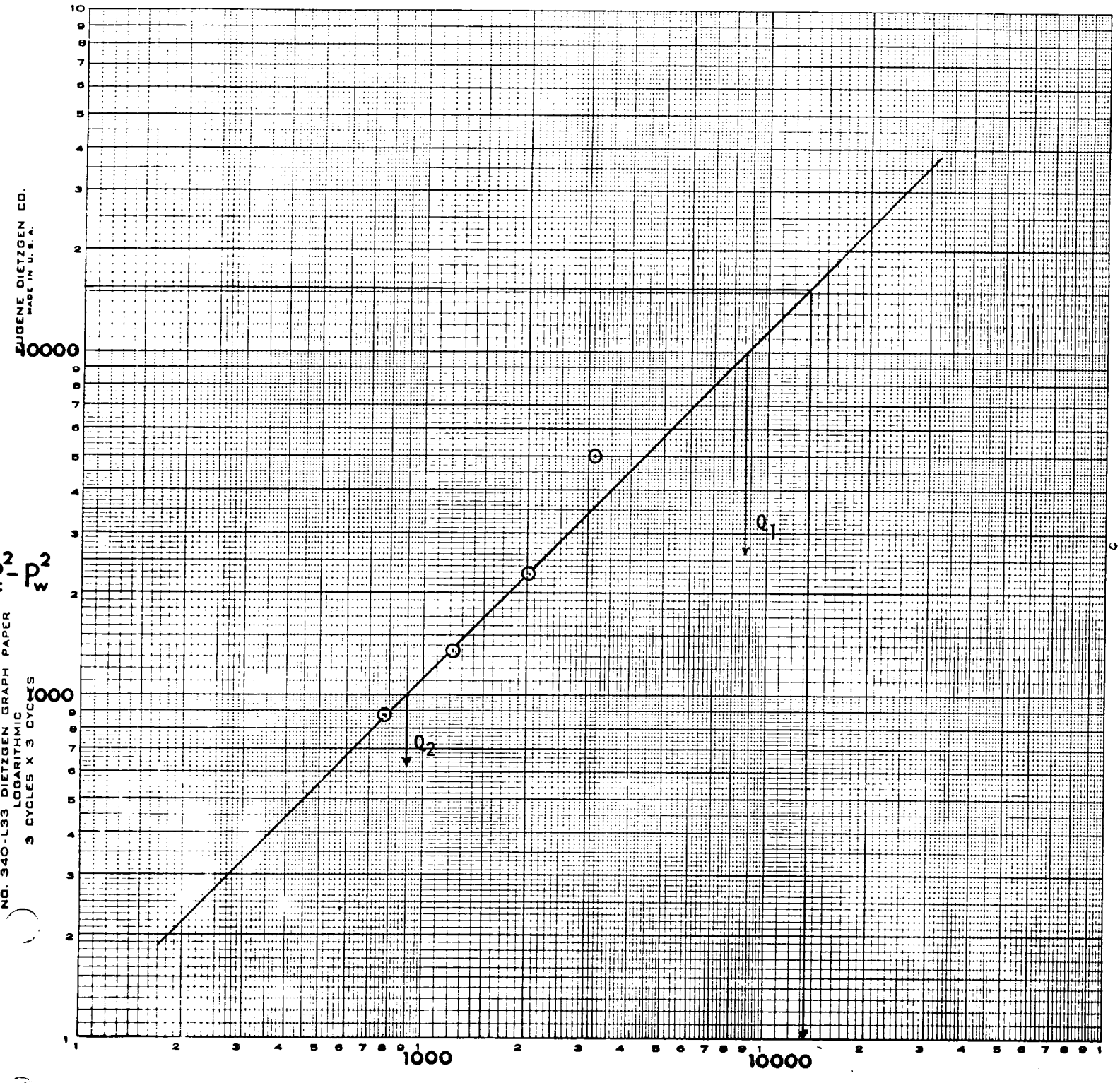
This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, 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 30 through 34 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				Northwestern New Mexico			
T. Anhy		T. Canyon	9580	T. Ojo Alamo		T. Penn. "B"	
T. Salt		T. Strawn	10231	T. Kirtland-Fruitland		T. Penn. "C"	
B. Salt		T. Atoka	10731	T. Pictured Cliffs		T. Penn. "D"	
T. Yates		T. Miss		T. Cliff House		T. Leadville	
T. 7 Rivers		T. Devonian		T. Menefee		T. Madison	
T. Queen		T. Silurian		T. Point Lookout		T. Elbert	
T. Grayburg		T. Montoya		T. Mancos		T. McCracken	
T. San Andres		T. Simpson		T. Gallup		T. Ignacio Qtzte	
T. Glorieta		T. McKee		Base Greenhorn		T. Granite	
T. Paddock		T. Ellenburger		T. Dakota		T.	
T. Blinebry		T. Gr. Wash		T. Morrison		T.	
T. Tubb		T. Granite		T. Todilto		T.	
T. Drinkard		T. Delaware Sand		T. Entrada		T.	
T. Abo		T. Bone Springs		T. Wingate		T.	
T. Wolfcamp	8776	T. Dean Sand	8402	T. Chinle		T.	
T. Penn.		T. Cherokee	10455	T. Permian		T.	
T Cisco (Bough C)		T. Morrow	11184	T. Penn. "A"		T.	
		T. Chester	11781				

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
-0-	352	352	Shale	10583	10704	121	Lime & Shale
352	1005	653	Anhydrite	10704	10721	17	Shale
1005	1209	204	Salt & Anhydrite	10721	11010	289	Lime & Shale
1209	1359	150	Anhydrite	11010	11065	55	Shale & Lime
1359	1443	84	Anhydrite & Salt	11065	11110	45	Lime & Shale
1443	2105	662	Anhydrite	11110	11167	57	Shale & Lime
2105	2411	306	Anhydrite & Sulphur	11167	11330	163	Lime & Shale
2411	3216	805	Lime	11330	11387	57	Shale
3216	3341	125	Lime & Dolomite	11387	11437	50	Shale & Lime
3341	4046	705	Lime	11437	11498	61	Shale & Sand
4046	4096	50	Lime & Shale	11498	11580	82	Lime
4096	4350	254	Lime	11580	11754	174	Lime & Shale
4350	4679	329	Lime & Shale	11754	11802	48	Lime & Sand
4679	4776	97	Lime	11802	11816	14	Lime & Shale
4776	4885	109	Lime & Shale	11816	11841	25	Shale
4885	4985	100	Lime				
4985	5277	292	Lime & Shale				
5277	5909	632	Lime			T.D.	11841 Shale
5909	6075	166	Lime & Dolomite				
6075	6233	158	Lime				
6233	6528	295	Lime & Dolomite				
6528	9751	3223	Lime				
9751	10310	559	Lime & Shale				
10310	10340	30	Shale & Lime				
10340	10420	80	Lime				
10420	10479	59	Lime & Shale				
10479	10583	104	Lime				



LOG Q_1 = 3.93952
LOG Q_2 = 2.95424
SLOPE = 0.98528

Q MCFD

Q_1 = 8700
Q_2 = 900

A O F = 13,326

Well File

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122
Revised 9-1-65

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

RECEIVED

FEB 22 1972

OIL CONSERVATION COMM.
ARTESIA, OFFICE

Type Test: ☐ Initial ☒ Annual ☐ Special				Test Date: 1-11-72	
Company: CITIES SERVICE OIL COMPANY		Connection: Transwestern Pipeline Co.			Unit: 8
Pool: South Carlsbad		Formation: Morrow			
Completion Date: 12-18-70	Total Depth: 11,841		Plug Back TD: 11,795	Elevation:	Farm or Lease Name: Strackbein "A"
Csg. Size: 5½" / Wt.: 17 & 20# / d: 4.778 / Set At: 11,825			Perforations: From 11763 To 11773; From 11400 To 11480		Well No.: 1
Tbg. Size: 2 3/8 / Wt.: 4.7 / d: 1.995 / Set At: 11310			Perforations: From To		Unit: E / Sec.: 32 / Twp.: 22S / Rge.: 27E
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: 11310		County: Eddy
Producing Thru: Tubing	Reservoir Temp. °F: 178° @ 11840	Mean Annual Temp. °F: 60°	Baro. Press. – P_a: 13.2		State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
11310	11310	.58	1.04	.24	--	Orifice	2"	Flange

	FLOW DATA				TUBING DATA		CASING DATA		
NO.	Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Press. p.s.i.g.	Temp. °F	BHP ~~Press~~ p.s.i.g.	Temp. °F	Duration of Flow
SI	24 hrs.				3024		3912		
1.	2 x 1.375	975	3	73	2960		3799		1 hr.
2.	2 x 1.375	980	7.5	74	2910		3736		1 hr.
3.	2 x 1.375	990	21	77	2771		3611		2 hrs.
4.	2 x 1.375	925	52	76	2410		3209		3½ hrs.
5.	72 hrs. S.I.				3428		4389		

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	10.20	54.45	988.2	.9877	1.313	1.071	771
2.	10.20	86.31	993.2	.9868	1.313	1.071	1222
3.	10.20	145.15	1003.2	.9840	1.313	1.070	2047
4.	10.20	220.88	938.2	.9850	1.313	1.066	3106
5.							

NO.	P_t	Temp. °R	T_r	Z
1	1.46	533	1.53	.871
2.	1.47	534	1.53	.871
3.	1.48	537	1.54	.873
4.	1.39	536	1.54	.880
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas .580 XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX
Critical Pressure 672 P.S.I.A. _____ P.S.I.A.
Critical Temperature 350 R _____ R

P_c 3925.2 P_c^2 15,407.2

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		3812.2	14532.9	874.3
2		3749.2	14056.5	1350.7
3		3624.2	13134.8	2272.4
4		3222.2	10382.6	5024.6
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 6.78$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 6.51$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 13,326$

Point 3

Absolute Open Flow 13,326 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .98

Remarks: P_w taken from BHP bomb.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Bennett & Nichols	Nichols	Bennett

NEW MEXICO
OIL CONSERVATION COMMISSION
P. O. Box 2088
SANTA FE, NEW MEXICO

RECEIVED
MAY

GAS SUPPLEMENT NO. (NW) (SE) SF-3702 DATE 4-11-73

NOTICE OF WELL CONNECTION OR AUTHORITY TO ASSIGN ALLOWABLE
ALL VOLUMES EXPRESSED IN MCF

The operator of the following well has complied with all the requirements of the Oil Conservation Commission and may be assigned an allowable as shown below.

Date of Connection _____ Date of First Allowable or Allowable Change _____
Purchaser Transwestern Pipeline Co. Pool Carlsbad Morrow, South
Operator Cities Service Oil Co. Lease Strackbein-A
Well No. 1 Unit Letter E Sec. 32 Twp. 22S Rnge. 27E
Dedicated Acreage _____ Revised Acreage _____ Difference _____
Acreage Factor 1.00 Revised Acreage Factor _____ Difference _____
Deliverability _____ Revised Deliverability _____ Difference _____
A x D Factor _____ Revised A x D Factor _____ Difference _____

Reclassified NM to M DIST. #

CALCULATION OF SUPPLEMENTAL ALLOWABLE

MONTH	% OF MO.	PREV. ALLOW	REV. ALLOW.	PREV. PROD.	REV. PROD.	REMARKS
JANUARY						
FEBRUARY						
MARCH						
APRIL						
MAY			62255			
JUNE						
JULY						
AUGUST						
SEPTEMBER						
OCTOBER						
NOVEMBER						
DECEMBER						270627 Cancelled due to Reclassification
TOTALS						
ALLOWABLE PRODUCTION DIFFERENCE - - - - - -				270,627-		
March SCHEDULE O/U STATUS - - - - - -				270,627+		
REVISED March O/U STATUS - - - - - -				-0-		
EFFECTIVE IN May SCHEDULE - - - - -						
PREVIOUS PERIOD ADJUSTMENTS - - - - - - - -						CURRENT CLASSIFICATION N TO M

NOTICE OF SHUT-IN

The following described well has been Shut-in for Failure of Compliance:

Purchaser _____ Pool _____ Date _____
Operator _____ Lease _____
Well No. _____ Unit Letter _____ Sec. _____ Twp. _____ Rnge. _____
Effective date of Shut-in _____ Reason for Shut-In _____

A. L. PORTER, Jr., Director

By _____

RECEIVED

JUL 27 1973

O. C. C.
ARTESIA, OFFICE

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

GAS SUPPLEMENT NO. (~~NW~~X (SE) SF-3761 DATE 7-19-73

NOTICE OF WELL CONNECTION OR AUTHORITY TO ASSIGN ALLOWABLE

ALL VOLUMES EXPRESSED IN MCF

The operator of the following well has complied with all the requirements of the Oil Conservation Commission and may be assigned an allowable as shown below.

Date of Connection _____ Date of First Allowable or Allowable Change _____
Purchaser TRANSWESTERN PIPELINE CO Pool CARLSBAD MORROW, SOUTH
Operator CITIES SERVICE OIL CO. Lease STRACKBEIN A
Well No. 1 Unit Letter E Sec. 32 Twp. 22S Rnge. 27E
Dedicated Acreage 320 Revised Acreage _____ Difference _____
Acreage Factor 1.00 Revised Acreage Factor _____ Difference _____
Deliverability _____ Revised Deliverability _____ Difference _____
A x D Factor _____ Revised A x D Factor _____ Difference _____

RECLASSIFIED N TO M

DIST. II

CALCULATION OF SUPPLEMENTAL ALLOWABLE

MONTH	% OF MO.	PREV. ALLOW	REV. ALLOW.	PREV. PROD.	REV. PROD.	REMARKS
JANUARY						
FEBRUARY						
MARCH						
APRIL						
MAY						
JUNE						
JULY			46624			Marginal allowable.
AUGUST						
SEPTEMBER						212,675 Cancelled due to Reclass.
OCTOBER						
NOVEMBER						
DECEMBER						
TOTALS						
ALLOWABLE PRODUCTION DIFFERENCE - - - - - -				212,675-		
May SCHEDULE O/U STATUS - - - - - -				212,675+		
REVISED May O/U STATUS - - - - - -				-0-		
EFFECTIVE IN August SCHEDULE - - - - -						
PREVIOUS PERIOD ADJUSTMENTS - - - - - - - -						CURRENT CLASSIFICATION N TO M

NOTICE OF SHUT-IN

The following described well has been Shut-in for Failure of Compliance:

Purchaser _____ Pool _____ Date _____
Operator _____ Lease _____
Well No. _____ Unit Letter _____ Sec. _____ Twp. _____ Rnge. _____
Effective date of Shut-in _____ Reason for Shut-In _____

A. L. PORTER, Jr., Director

By _____

DISTRIBUTION		
SANTA FE	/	
FILE	/	✓
U.S.G.S.		
LAND OFFICE		
TRANSPORTER OIL		
TRANSPORTER GAS	/	
OPERATOR	/	
PRORATION OFFICE		

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

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

RECEIVED

JUN 16 1977

O. C. C.
ARTESIA, OFFICE

I. Operator: Cities Service Company

Address: P.O. Box 1919 - Midland, Texas 79702

Reason(s) for filing (Check proper box)
- New Well ☐
- Recompletion ☐
- Change in Ownership ☒
- Change in Transporter of: Oil ☐ Dry Gas ☐ Casinghead Gas ☐ Condensate ☐

Other (Please explain): change of operator's name is effective July 1, 1977.

If change of ownership give name and address of previous owner: Cities Service Oil Company - P.O. Box 1919 - Midland, Texas 79702

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease (State, Federal or Fee)	Lease No.
Strackbein A	1	Carlsbad Morrow South	Fee	—

Location: Unit Letter E : 1980 Feet From The North Line and 660 Feet From The West

Line of Section 32 Township 22S Range 27E , NMPM, Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☐: none

Address (Give address to which approved copy of this form is to be sent):

Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒: Transwestern Pipeline Company

Address (Give address to which approved copy of this form is to be sent): 1st Nat'l Bank - Odessa, Texas 79761

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	—	—	—	—	yes	— 11-9-71

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

IV. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Resv.	Diff. Resv.

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Perforations			Depth Casing Shoe

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

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

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 - Bbls.	Gas - MCF

GAS WELL

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

VI. CERTIFICATE OF COMPLIANCE

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

(Signature)
Region Operations Manager
(Title)
6/10/77
(Date)

OIL CONSERVATION COMMISSION

APPROVED JUL 20 1977, 19

BY W. A. Gressett

TITLE SUPERVISOR, DISTRICT II

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

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

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

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

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

FORM C-132

NEW MEXICO OIL CONSERVATION DIVISION
P. O. Box 2088, Santa Fe, New Mexico 87501

APPLICATION FOR WELLHEAD
PRICE CEILING CATEGORY DETERMINATION

1. FOR DIVISION USE ONLY

DATE OF: APPLICATION _____
DETERMINATION _____
CONTESTED _____
PARTICIPANTS _____

RECEIVED
FEB 20 1980
O. C. D.
ARTESIA, OFFICE

Kind of Lease
State, Federal or Fee: Fee
5. State Oil & Gas Lease No.:

7. Unit Agreement Name:

8. Farm or Lease Name: Strackbein "A"

9. Well No.: 1

10. Field and Pool, or Wildcat: Carlsbad, ~~South~~ South Morrow Gas

12. County: Eddy

2. Name of Operator: Cities Service Company

3. Address of Operator: Box 1919, Midland, TX 79702

4. Location of Well: UNIT LETTER E, 1980 FEET FROM THE North LINE AND 660 FEET FROM THE West LINE, SECTION 32, TOWNSHIP 22S, RANGE 27E, NMPM.

13. Name and Address of Transporter(s)
Transwestern Pipe Line Co., Box 2521, Houston, Texas 77001

WELL CATEGORY INFORMATION

Check appropriate box for category sought and information submitted.

[X] 1. Category(ies) Sought (By NGPA Section No.) 108

2. All Applications must contain:

[X] a. C-101 APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

[X] b. C-105 WELL COMPLETION OR RECOMPLETION REPORT AND LOG

[ ] c. DIRECTIONAL DRILLING SURVEY, IF REQUIRED UNDER RULE 111

[X] d. AFFIDAVITS OF MAILING OR DELIVERY

[ ] 3. NEW NATURAL GAS UNDER SEC. 102(c)(1)(B) (using 2.5 Mile or 1000 Feet Deeper Test)

[ ] a. Location Plat

[ ] 4. NEW NATURAL GAS UNDER SEC. 102(c)(1)(C) (new onshore reservoir)

[ ] a. C-122 Multipoint and one point back pressure test

[ ] 5. NEW ONSHORE PRODUCTION WELL

[ ] a. C-102 WELL LOCATION AND ACREAGE DEDICATION PLAT

[ ] b. No. of order authorizing infill program _____

[X] 6. STRIPPER GAS

*[ ] a. C-116 GAS-OIL RATIO TEST

[X] b. PRODUCTION CURVE FOR 12-MONTH PERIOD PRECEDING DECEMBER 1, 1978.

[X] c. PRODUCTION CURVE FOR THE 90-DAY PERIOD ON WHICH THE APPLICATION IS BASED

*Not required by field rules set up by New Mexico Oil Conservation Division.

I HEREBY CERTIFY THAT THE INFORMATION CONTAINED HEREIN IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Charles M. Hartwell
NAME OF APPLICANT (Type or Print)

Title General Mgr. - Southwest Region

Date February 15, 1980

Signed Chas. M. Hartwell

DIVISION USE ONLY

[ ] Approved

[ ] Disapproved

The information contained herein includes all of the information required to be filed by the applicant under Subpart B of Part 274.

_____
EXAMINER

FERC-121

1.0 API well number: (If not available, leave blank. 14 digits.)	30-015-20336
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	108 (Section of NGPA) -- (Category Code)
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	-- feet
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Cities Service Co. (Name) 003568 (Seller Code) PO Box 300 (Street) Tulsa (City) OK (State) 74102 (Zip Code)
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	Carlsbad, South-Morrow, Gas (Field Name) Eddy (County) NM (State)
(b) For OCS wells:	(Area Name) (Block Number) Date of Lease: Mo. Day Yr. (OCS Lease Number)
(c) Name and identification number of this well: (35 letters and digits maximum.)	Strackbein "A" #1
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	Transwestern Pipeline Co. (Name) 019120 (Buyer Code)
(b) Date of the contract:	07 16 71 (Mo. Day Yr.)
(c) Estimated annual production:	8.6 MMcf.

	(a) Base Price ($/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	2.381	1.171	—.—	2.552
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	2.381	1.171	—.—	2.552

9.0 Person responsible for this application:

W. F. Hanagan (Name), Manager, Natural Gas Sales and Regulation (Title)

W F Hanagan (Signature)

2/8/80 (Date Application is Completed)

918/586-3239 (Phone Number)

Agency Use Only
Date Received by Juris. Agency
Date Received by FERC

FT7900S06/2-2

FERC-121

Form Approved
OMB No. 038-R0381

U.S. DEPARTMENT OF ENERGY
Federal Energy Regulatory Commission
Washington, D.C. 20426

APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)

(Sections 102, 103, 107 and 108)

PLEASE READ BEFORE COMPLETING THIS FORM:

General Instructions:

Complete this form if you are applying for price classification under sections 102, 103, 107 or 108 of the NGPA. A separate application is required for each well. If any reservoir qualifies for a category which differs from the category applicable to the producing well, separate applications must be made for the producing well and the reservoir. Complete each appropriate item on the reverse side of this page. The code numbers used in items 4.0 and 6.0 can be obtained from the Buyer/Seller Code Book. If there is more than one purchaser or contract, identify the additional information in the space below. Enter any additional remarks in the space below.

Submit the completed application to the appropriate Jurisdictional Agency as listed in title 18 of the CFR, part 270.103. If there are any questions, call (202) 275-4539.

Specific Instructions for Item 2.0, Type of Determination:

Section of NGPA	Category Code	Description
102	1	New OCS Lease
102	2	New onshore well (2.5 mile test)
102	3	New onshore well (1,000 feet deeper test)
102	4	New onshore reservoir
102	5	New reservoir on old OCS Lease
103	–	New onshore production well
107	–	High cost natural gas
108	–	Stripper well

Other Purchasers/Contracts:

Contract Date (Mo. Day Yr)	Purchaser	Buyer Code

Remarks:

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

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

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

RECEIVED
MAR 15 1983
O. C. D.
ARTESIA, OFFICE

Operator
Cities Service Oil & Gas Corporation

Address
P.O. Box 1919 - Midland, Texas 79702

Reason(s) for filing (Check proper box)
New Well ☐ Change in Transporter of: Oil ☐ Dry Gas ☐
Recompletion ☐ Casinghead Gas ☐ Condensate ☐
Change in Ownership ☒

Other (Please explain)
Change of Operator's Name is effective April 1, 1983.

If change of ownership give name and address of previous owner Cities Service Company - P.O. Box 1919 - Midland, Texas 7970

DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
STRACKBEIN A	1	~~South~~ CARLSBAD Morrow ~~S. Gas~~	State, Federal or Fee FEE	—

Location
Unit Letter E : 1980 Feet From The NORTH Line and 660 Feet From The WEST
Line of Section 32 Township 23S Range 27E NMPM, EDDY County

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☒	Address (Give address to which approved copy of this form is to be sent)
NONE	—
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒	Address (Give address to which approved copy of this form is to be sent)
TRANSWESTERN PIPELINE CO.	BOX 2472 - ODESSA, TEXAS 79760

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	[illegible]				YES	— 11-7-71

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

COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Resv.	Diff. Resv.

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Perforations			Depth Casing Shoe

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

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

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 - Bbls.	Gas - MCF

GAS WELL

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

CERTIFICATE OF COMPLIANCE

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

Elmer L. Hartz
(Signature)
Region Operations Manager
(Title)
March 14, 1983
(Date)

OIL CONSERVATION COMMISSION

APPROVED MAR 24 1983, 19—
Original Signed by
BY Leslie A. Clements
Supervisor District II
TITLE —

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

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

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

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

RECEIVED

MAR 29 '88

O. C. D.
ARTESIA, OFFICE

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

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

OIL CONSERVATION DIVISION

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

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I.

Operator: OXY USA Inc. ✓

Address: P. O. Box 50250, Midland, TX 79710

Reason(s) for filing (Check proper box)

- [ ] New Well
- [ ] Recompletion
- [X] Change in Ownership
- Change in Transporter of:
  - [ ] Oil
  - [ ] Dry Gas
  - [ ] Casinghead Gas
  - [ ] Condensate
- Other (Please explain): Change of operator's name effective April 1, 1988

If change of ownership give name and address of previous owner: Cities Service Oil & Gas Corp., P. O. Box 50250, Midland, TX 79710

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Strackbein "A"	1	South Carlsbad Morrow	State, Federal or Fee Fee	

Location: Unit Letter E : 1980 Feet From The North Line and 660 Feet From The West

Line of Section 32 Township 22S Range 27E , NMPM, Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☐	Address (Give address to which approved copy of this form is to be sent)
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒	Address (Give address to which approved copy of this form is to be sent)
Transwestern Pipeline Company	P. O. Box 2472 - Odessa, TX 79760

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
					Yes	11-9-71

If this production is commingled with that from any other lease or pool, give commingling order number: Post 10-3
5-12-88
C-9 of.

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

VI. CERTIFICATE OF COMPLIANCE

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

F. A. Vitrano
(Signature) F. A. Vitrano

District Operations Manager - Production
(Title)

March 15, 1988
(Date)

OIL CONSERVATION DIVISION

APPROVED Mar - 1988, 19

BY Original Signed By
Mike Williams

TITLE Oil & Gas Inspector

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

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

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

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

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

Submit 3 Copies to Appropriate District Office

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

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

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

State of New Mexico
Energy, Minerals and Natural Resources Department

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

C-15T by

Form C-103
Revised 1-1-89

WELL API NO. 30-015-20336

5. Indicate Type of Lease STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

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

7. Lease Name or Unit Agreement Name: Strackbein A 8665

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

2. Name of Operator: OXY USA Inc. 16696

8. Well No. 1

3. Address of Operator: P.O. Box 50250 Midland, TX 79710-0250

9. Pool name or Wildcat: Carlsbad Morrow, South

4. Well Location
Unit Letter E : 1980 Feet From The North Line and 660 Feet From The West Line

Section 32 Township 22S Range 27E NMPM Eddy 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	☐		
OTHER: GAS WELL SHUT-IN PRESSURE EXEMPTION	XX			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.

OXY USA INC. RESPECTFULLY REQUESTS AN EXEMPTION TO RULE 402 (A) FOR THE ANNUAL SHUT-IN PRESSURE TEST. THE NEED FOR THIS EXCEPTION IS TO AVOID POTENTIAL FORMATION DAMAGE IN THE FLUID SENSITIVE SANDS AND POSSIBLE PERMANENT LOSS OF PRODUCTIVITY. SHOULD THIS WELL BE SHUT-IN FOR ANY REASON, A SHUT-IN PRESSURE TEST WOULD BE CONDUCTED AT THE TIME.

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

SIGNATURE David Stewart TITLE Regulatory Analyst DATE 8/18/98

TYPE OR PRINT NAME David Stewart TELEPHONE NO. 9156855717

(This space for State Use)

APPROVED BY Jim W. Gum BY TITLE District Supervisor DATE 3-17-99

CONDITIONS OF APPROVAL, IF ANY:

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

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

C-1S?

Form C-103
Revised March 25, 1999

WELL API NO. 30-015- 20336

5. Indicate Type of Lease STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

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

7. Lease Name or Unit Agreement Name: Strackbein A

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

2. Name of Operator: OXY USA Inc. 16696

8. Well No. 1

3. Address of Operator: P.O. BOX 50250 MIDLAND, TX 79710-0250

9. Pool name or Wildcat: Carlsbad Morrow, South

4. Well Location

Unit Letter E : 1980 feet from the North line and 660 feet from the West line

Section 32 Township 22S Range 27E NMPM County EDDY

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

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

NOTICE OF INTENTION TO:				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	☐	MULTIPLE COMPLETION	☐	CASING TEST AND CEMENT JOB	☐		
OTHER: Gas Well Shut-In Pressure Exemption	☒			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. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

OXY USA INC. RESPECTFULLY REQUESTS AN EXEMPTION TO RULE 402 (A) FOR THE ANNUAL SHUT-IN PRESSURE TEST. THE NEED FOR THIS EXCEPTION IS TO AVOID POTENTIAL FORMATION DAMAGE IN THE FLUID SENSITIVE SANDS AND POSSIBLE PERMANENT LOSS OF PRODUCTIVITY. SHOULD THIS WELL BE SHUT-IN FOR ANY REASON, A SHUT-IN PRESSURE TEST WOULD BE CONDUCTED AT THE TIME.

FTP 220 GAS 56 MCFD OIL 0 BPD WATER 0 BPD

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

SIGNATURE [signature] TITLE REGULATORY ANALYST DATE 7/7/99

Type or print name DAVID STEWART Telephone No. 915-685-5717

(This space for State use)

APPPROVED BY [signature] TITLE District Supervisor DATE 7-13-99

Conditions of approval, if any:

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

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-104A
August 11, 2000

Submit 1 copy of the final affected wells list along with 2 copies of this form per number of wells on that list to appropriate District Office

Change of Operator

Previous Operator Information:		New Operator Information:	
		Effective Date:	1-1-01
OGRID:	16696	New Ogrid:	192463
Name:	OXY USA Inc.	New Name:	OXY USA WTP LIMITED PARTNERSHIP
Address:	P. O. BOX 50250	Address:	P. O. BOX 4294
Address:		Address:	
City, State, Zip:	MIDLAND, TX 79710	City, State, Zip:	HOUSTON, TX 77210-4294

I hereby certify that the rules of the Oil Conservation Division have been or will be complied with and that the information on this form and the attached list of wells is true and complete to the best of my knowledge and belief.

New Operator Signature: Richard E. Foppiano

Printed name: Richard E. Foppiano

Title: Senior Advisor – Regulatory Affairs

Date: 1/11/01 Phone: 281-552-1303

Previous operator complete below:

Previous Operator: OXY USA Inc.

Previous OGRID: 16696

Signature: Richard E. Foppiano

Printed Name: Richard E. Foppiano

NMOCD Approval

Signature: Jim W. Gum

Printed Name: District Supervisor

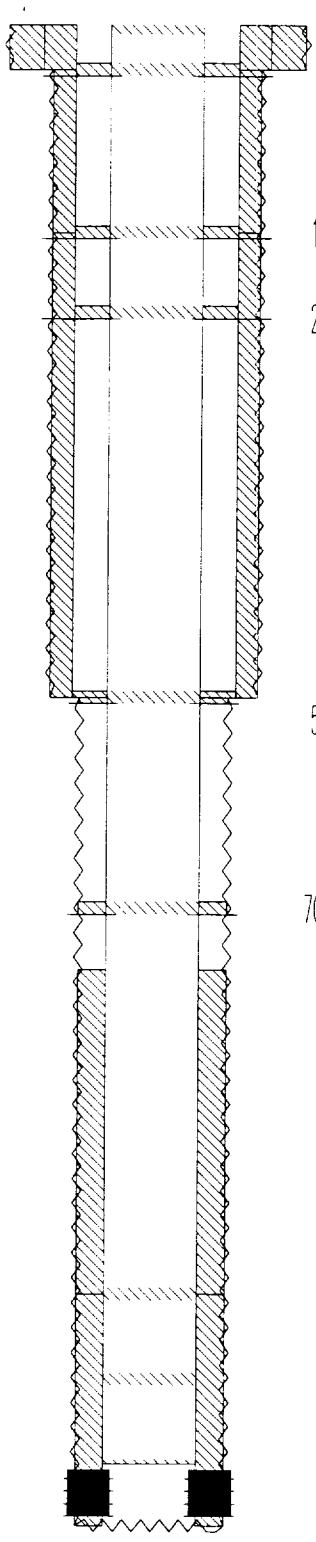
District:

Date: MAR 13 2001

27670

RECEIVED
2001
OCD - ARTESIA

OXY USA WTP LP
STRACKBEIN A 1
SEC 32 T22S R27E EDDY NM



0.0 - 75.0' CEMENT PLUG 10sx

302.0 - 402.0' CEMENT PLUG 50sx

1578.0 - 1678.0' CEMENT PLUG 50sx

2200.0 - 2330.0' CEMENT PLUG 50sx

5243.0 - 5343.0' CEMENT PLUG 60sx
TAG
2

6900.0 - 7000.0' CEMENT PLUG 65sx

100' Plug
8676' to
8776'

9962.0 - 10062.0' CEMENT PLUG 25sx

10630.0 - 10730.0' CEMENT PLUG 25sx

11315.0 - 11350.0' CEMENT PLUG 5sx
11350.0 - 11350.0' CIBP

0.0 - 352.0' 17 1/2" OD HOLE
0.0 - 352.0' CEMENT 380sx-CIRC
0.0 - 352.0' 13 3/8" OD SURF CSG

402.0 - 402.0' SQUEEZE PERFS

1678.0 - 1678.0' SQUEEZE PERFS

2300.0 - 2300.0' SQUEEZE PERFS

352.0 - 5293.0' 12 1/4" OD HOLE
0.0 - 1628.0' CEMENT 790sx-CIRC
1628.0 - 1628.0' DVTOOL
1628.0 - 5293.0' CEMENT 1010sx-CIRC
0.0 - 5293.0' 9 5/8" OD INT CSG

5343.0 - 5343.0' SQUEEZE PERFS

7000.0 - 7000.0' SQUEEZE PERFS

5293.0 - 11840.0' 8 3/4" OD HOLE
7440.0 - 10012.0' CEMENT 552sx-TS
10012.0 - 10012.0' DVTOOL
10012.0 - 11840.0' CEMENT 480sx-CIRC
0.0 - 11840.0' 5 1/2" OD PROD CSG

11400.0 - 11763.0' ABANDONED PERFS MORROW

PBTD: 11795'
TD: 11841'

CISF

Submit 3 Copies to Appropriate District Office

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

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

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

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

Form C-103
Revised 1-1-89

WELL API NO. 30-015-20336

5. Indicate Type of Lease STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

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

7. Lease Name or Unit Agreement Name: Strackbein A

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

2. Name of Operator: OXY USA WTP Limited Partnership 192463

8. Well No.: #1

3. Address of Operator: P.O. Box 50250 Midland, TX 79710-0250

9. Pool name or Wildcat: Carlsbad Morrow, South

4. Well Location
Unit Letter E : 1980 Feet From The north Line and 660 Feet From The west Line

Section 32 Township 22S Range 27E NMPM Eddy County

10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3181'

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	☐		
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.

SEE OTHER SIDE

Notify OCD 24 hrs. prior to any work done

RECEIVED
OCD ARTESIA

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

SIGNATURE [signature] TITLE Sr. Regulatory Analyst DATE 9/20/01

TYPE OR PRINT NAME David Stewart TELEPHONE NO. 915-685-5717

(This space for State Use)

APPROVED BY [signature] TITLE Field Rep II DATE 9-29-01

CONDITIONS OF APPROVAL, IF ANY:

OXY USA INC.
Strackbein A #1
SEC 32 T22S R27E
EDDY COUNTY, NM

TD - 11841' PBTD - 11795' PERFS - 11400-11763'

CASING: 13-3/8" 48# @ 352', 17-1/2", cmt w/380sx, TOC-circ
9-5/8" 36-40# @ 5293', 12-1/4", cmt w/1800sx, TOC-circ
DV Tool @ 1628'
5-1/2" 17-20# @ 11840', 8-3/4", cmt w/1032sx TOC-7440'-TS
DV Tool @ 10012'

1. RIH & set CIBP @ 11350', DUMP 5sx TO 11315'
2. M&P 25sx cmt @ 10730-10630'
3. M&P 25sx cmt @ 10062-9962' → 100' Plug 8646' to 8776'
4. Perf @ 7000', sqz 65sx cmt @ 7000-6900'
5. Perf @ 5343', sqz 60sx cmt @ 5343-5243' ← 741
6. Perf @ 2300', sqz 50sx cmt @ 2300-2200'
7. Perf @ 1678', sqz 50sx cmt @ 1678-1578'
8. Perf @ 402', sqz 50sx cmt @ 402-302'
9. M&P 10sx cmt Surface Plug

10# MLF BETWEEN PLUGS

minimum of 100' of Cmt. inside And outside of Pipe.

STRACKBEIN A NO. 1 (Plug and Abandon)

10/11/2001 CMIC:gary henrich FIRST REPORT
road unit & crew to loc.,move in matting boards & pipe racks,test tie down anchors,spot & rig up,sitp 920#,sicp 1100#,bleed well down to pit,load tbg. w/6 bw & tbg. press. up to 2000# & held,pump 50 bw down csg.,nd tree, nu 5 k hyd. bop,try to release seal assy. w/ no success,ru swab & rih w/ no/go,tag @ 7000',try to work thru w/no success,pooh,sisd!
L/E: $7270 CUM L/E: $7270

10/12/2001 CMIC:gary henrich
SITP 20# SICP 200# RIH w/ 2-375 tbg broach, sinker bar on sandline. Tagged up @ 5924'. Unsuccessfully attempted to work thru tbg. POOH w/ broach. RU swivel and torgued up tbg attempted to work seal assy. out of packer without success. RD swivel. RU Rotary wireline and RIH w/ spud bars with chisel point. Tagged up @ 5924'. Could not spud thru obstruction. POOH w/ spud bars. Manually backed off tbg. Tbg broke high. Screwed tbg back together. RU Rotary RIH backed off tbg @ 5902'. RD Rotary. POOH w/ 150 jts 2-375 buttress tbg. SION L/E: $8624 CUM L/E: $15894

10/15/2001 CMIC:gary henrich
400# sip,bleed well down,pooh w/43 jts. 2 3/8"buttress tbg.,rih w/2 jts. tbg.,x-over,2 3/8" port sub & x-over & 191 jts. 2 3/8" tbg.,screw into tbg. @ 5902',well started kicking,displace hole w/130 bw,ru rotary wl & rih w/35' string shot to 9685',try to back tbg. off w/ no success,pooh,build & rih w/larger string shot to 9685',try to back tbg. off w/no success,pooh,build & rih w/string shot to 6500',try to back tbg. off w/ no success,pooh,rd wl,sisd!
CUM L/E: $15894

10/16/2001 CMIC:gary henrich
sitp 310#,sicp 600#,bleed well down,ru rotary wl,rih w/35'string shot from 5950' to 5985',back tbg. off @ 5965',pooh w/ wl,pooh w/191 jts. 2 3/8"tbg.,port sub & 4 jts. 2 3/8" tbg.,bottom 2 jts.were plugged w/salt,rih w/195 jts. 2 3/8" tbg.to 5965',screw into tbg.,ru wl,rih w/free point tools to 9650' & tag up,pu to 9640',run free point,tbg. was 100% free @ 9640',pooh ,rih w/ string shot,try to back off @ 9650'w/no success,pooh,rih w/chemical cutter,cut tbg. @ 9642',pooh,rd wl,pooh laying down 122 jts. 2 3/8" buttress tbg.,sisd! L/E: $11276 CUM L/E: $27170

10/17/2001 CMIC:gary henrich
sip 0#,finish laying down 2 3/8" tbg.,unload,rack & tally 356 jts.2 7/8"n-80 rental tbg.,change rams in bop,rih w/4 5/8"bowen external cutter,3 jts. 4 1/2"wash pipe,top bushing,x-over & 255 jts. 2 7/8" tbg.to 8122',sisd!
L/E: $6980 CUM L/E: $34150

10/18/2001 CMIC:gary henrich
finish rih w/external cutter & 2 7/8" tbg.to 9640' chc,work cutter over top of fish to 9725',attempt to cut tbg. @ 9725'w/no success,release cutter & pooh w/192 jts.,tools drug for 2700'& freed up,sisd! L/E: $4848 CUM L/E: $38998

10/19/2001 CMIC:gary henrich
finish pooh w/mech.cutter,rec. 2 jts. & 2 pieces of 2 3/8" tbg.,lay down wash pipe,rih w/3 5/8" overshot & 309 jts. 2 7/8' tbg.,latch onto fish @ 9820',ru rotary wl,rih w/ free point tools,tag up @ 11,230'inside of 2 3/8" tbg.,100% free @ 11,230',pooh,rd rotary,work tbg. to sting out of pkr.,tbg. came free,weight indicator showed 3000# gain,pooh,no recovery,sisd!
L/E: $5600 CUM L/E: $44598

10/20/2001 CMIC:gary henrich LAST REPORT
rih w/ 3 5/8" overshot & 309 jts. 2 7/8" tbg.,latch onto fish @ 9820',ru rotary wl,rih w/chemical cutter & cut tbg. @ 11,219',did not indicate that tbg. cut,pooh,work tbg. to try to separate tbg.w/ no success,pkr. moved down hole 19',rih w/chem. cutter,try to cut tbg.@ 11,279'(no cut)pooh,cutter had misfired,rih w/jet cutter to 11,305',attempt to cut tbg. @ 11,305',no cut indicated,pooh,rd wl,work tbg. free & pooh w/300 jts. 2 7/8"tbg.,sisd!
L/E: $8020 CUM L/E: $52618

10/23/2001 CMIC:gary henrich
Ron's Welding backhoe and gang work for P&A
L/E: $1012 CUM L/E: $1012

10/24/2001 CMIC:gary henrich
rih & tag @ 11,057',pu to 10,740',ru haliburton,mix & pump 25 sx class H cement plug,spot plug from 10,740' - 10,504',pu to 10,070',mix & pump 25 sx class H cement,spot plug from 10,070' - 9834',pu to 8783',mix & pump 25 sx class H cement,spot plug from 8783'- 8584',pooh,sisd!
L/E: $4300 CUM L/E: $5312

10/25/2001 CMIC:gary henrich
ru rotary wl,rih & shoot 2 squeeze holes @ 7000',pooh,rd wl,rih w/ bull plugged perf. sub & 224 jts.to 7050',ru haliburton,mix & pump 65 sx class H cmt.,spot plug from 7050' to 6347',pooh w/ 28 jts. to 6200',pump 10 bbls. cmt into squeeze holes,rd haliburton,pooh,ru wl,rih & shoot 2 squeeze holes @ 5343',pooh,sisd! L/E: $8596 CUM L/E: $13908

10/26/2001 CMIC:gary henrich
rih w/ bull plugged perf. sub & 171 jts.2 7/8" tbg.to 5397',ru haliburton,mix & pump 60 sx class C cmt.to cover from 5397' to 4795',pu to 4122',pump 7 bbls.thru squeeze holes @ 5343',si for 2 hrs.,pooh,ru rotary WL,rih & tag @4763',pu & shoot 2 squeeze holes @ 2300',pooh,rd wl,rih w/tbg.to 2377',mix & pump 50 sx class C cmt. to cover from 2377'to 1851',pu to 1694',ru haliburton,pump 5 bbls. cmt. thru perfs.,pooh,ru wl,rih & shoot 2 squeeze holes @ 1678',pooh,rd wl,rih w/tbg.to 1694',mix & pump 50 sx class C cmt. to cover from 1694' to 1188',pooh,pump 5 bbls.cmt.thru holes,ru wl,rih & shoot 2 squeeze holes @ 402',pooh,rd wl,sisd!
L/E: $12505 CUM L/E: $26413

10/27/2001 CMIC:gary henrich
ru haliburton,mix & pump 90 sx class C neat cmt.,pump cmt. thru perfs. @ 402',bring cmt. up to 250' behind 5.5" csg. & left 5.5" csg. full of cmt.,nd bop,rig pulling unit down,clean loc.,move off loc.
L/E: $29482 CUM L/E: $55895

10/30/2001 CMIC:gary henrich LAST REPORT
dig out cellar,cut wellhead off,weld on dry hole marker,back fill cellar,cut off tie down anchors,job complete!
L/E: $900 CUM L/E: $56795

C1ST

Submit 3 Copies to Appropriate District Office

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

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

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

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

Form C-103
Revised 1-1-89

WELL API NO. 30-015-20336

5. Indicate Type of Lease STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

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

7. Lease Name or Unit Agreement Name: Strackbein A

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

2. Name of Operator: OXY USA WTP Limited Partnership 192463

8. Well No. #1

3. Address of Operator: P.O. Box 50250 Midland, TX 79710-0250

9. Pool name or Wildcat: Carlsbad Morrow, South

4. Well Location
Unit Letter E : 1980 Feet From The north Line and 660 Feet From The west Line

Section 32 Township 22S Range 27E NMPM Eddy County

10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3181'

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	☐		
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.

SEE ATTACHED

RECEIVED
OCD - ARTESIA

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

SIGNATURE [signature] TITLE Sr. Regulatory Analyst DATE 1/28/02

TYPE OR PRINT NAME David Stewart TELEPHONE NO. 915-685-5717

(This space for State Use)

APPROVED BY [signature] TITLE [signature] DATE JAN 29 2003

CONDITIONS OF APPROVAL, IF ANY:

Oxford®

ESSELTE

MADE IN U.S.A. NO. R753 13

5-1-71
Perforating Depth Control
2600 - 11753'
Microlaterolog
CSG - 10702'
10702 - 11812'
Laterolog - 9
2600 - 10702'
10700' - 11805'
Sonic Log - Gamma Ray
0 - 10702'
" 10700' - 11812'

OGI ID 2894

PROP 20257

POOL 73960 & 74120

Hardship Gas Well max. oppv. flow rate - 350 MCFD
R-8482 Appv. 8-5-87 until 5-31-89

[redacted]

30-015-20368
~~Little~~ Jewel Com #1 31-22S-27E
Ut. F SE NW

NCTOPS/LLB

Penn - 9948
Strawn - 10120
Atoka - 10530
Mor ls - 11021
Mor Cl - 11276

Has commingling Authorized by letter 5-12-85

30-015-20368

MICHAEL F. McCORMICK
ATTORNEY-AT-LAW
P. O. BOX 1240
TELEPHONE 885-5972
CARLSBAD, NEW MEXICO 88220

January 14, 1971

Mr. W. A. Gressett, Supervisor &
Oil & Gas Inspector
Oil Conservation Commission
Drawer DD
Artesia, New Mexico 88210

Dear Mr. Gressett:

This letter is to inform you that the City of Carlsbad has no objection to the following proposed location of a gas well in Sec. 31, Township 22 S, Range 27 E, N.M.P.M.:

> A well site lying 1980' from the North line and 1900' from the West line from said section, said well to be known as Little Jewel #1.

I am informed that those locations will not interfer with the operations of the Cavern City Air Terminal. As long as the well is drilled at the above location, the City of Carlsbad has no objection to a drilling permit being issued.

Very truly yours,

Michael F. McCormick

MICHAEL F. McCORMICK
City Attorney

MFM:pc

cc: Mr. A. L. Porter, Jr., Oil Conservation Commission
Mr. Claude Tabor, City Administrator
Mr. Walter Gerrells, Mayor
Mr. Bob Williams, Box 2010, Hobbs

NEW MEXICO OIL CONSERVATION COMMISSION

WELL LOCATION AND ACREAGE DEDICATION PLAT

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

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

Operator	Lease	Well No.
MORRIS R. ANTWEIL	LITTLE JEWELL	1

Unit Letter	Section	Township	Range	County
F	31	22 SOUTH	27 EAST	EDDY

Actual Footage Location of Well:
1980 feet from the NORTH line and 1900 feet from the WEST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3189	**Strawn-Morrow**	**South Carlsbad**	~~320~~ 310.72 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).

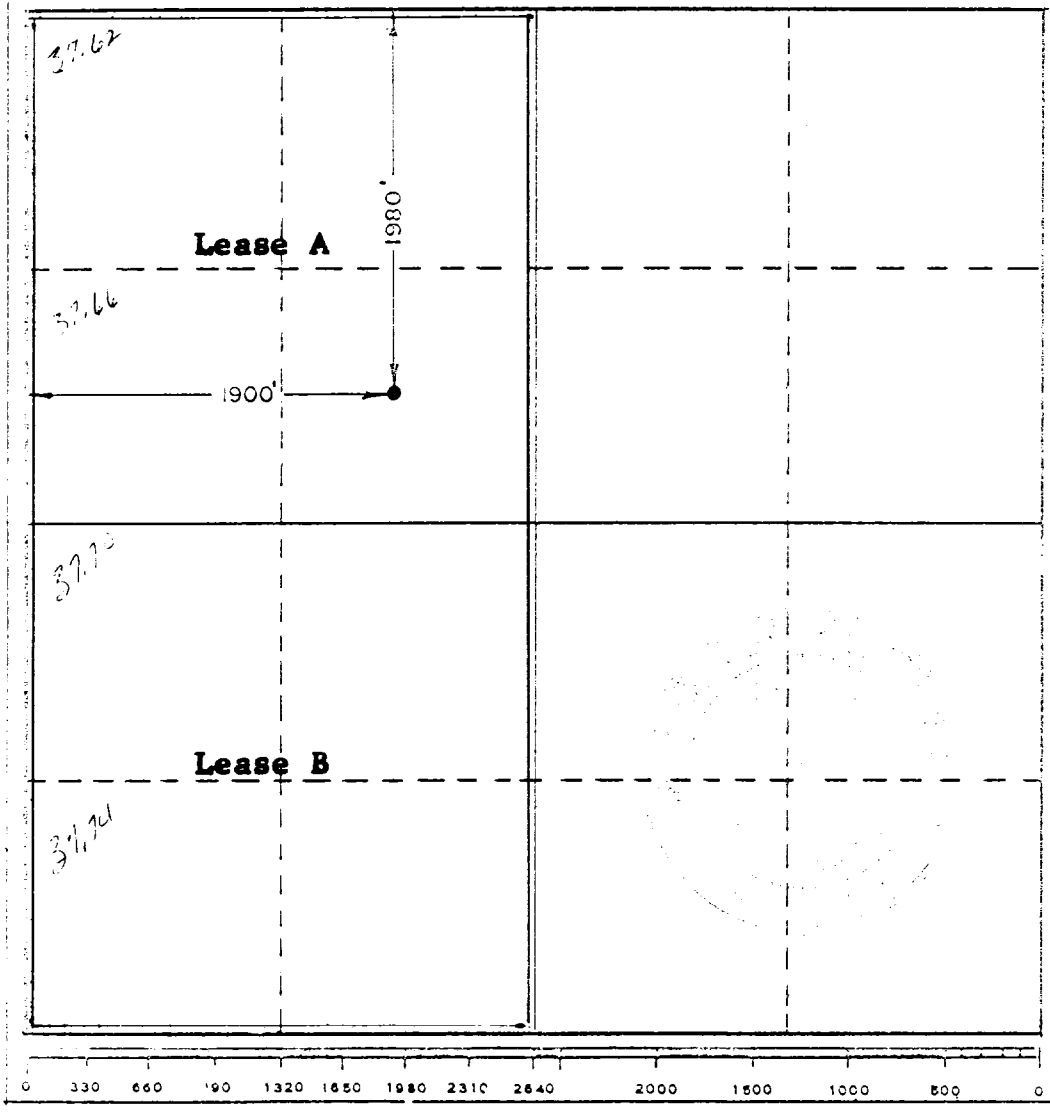
See Reverse Side.

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?

[X] Yes [ ] No If answer is "yes," type of consolidation **Communitized**

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

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



CERTIFICATION

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

R M Williams

Name
R. M. Williams

Position
Agent

Company
Morris R. Antweil

Date
January 12, 1971

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

Date Surveyed
1-11-1971

Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No.
676

Lease A - NW/4

Working Interest:		
Morris R. Antwell	3/8	
Mabee Petroleum Corp.	3/8	
Delta Drilling Co.	1/4	
Royalty Interest:		
Various basic royalty owners		1/8 of 8/8 R.I.
Mobil Oil Corporation		O.R.R.I.*

*Convertable to 1/2 working interest after payment.

LEASE B - SW/4

Working Interest:		
Morris R. Antwell	3/8	
Mabee Petroleum Corp.	3/8	
Delta Drilling Company	1/4	
Royalty Interest:		
Various basic royalty owners		1/8 of 8/8 R.I.
Superior Oil Company		O.R.R.I.

30-015-20568

NEW MEXICO OIL CONSERVATION COMMISSION

RECEIVED

JAN 13 1971

ARTESIA, OFFICE

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

DRILL ☒ DEEPEN ☐ PLUG BACK ☐

SINGLE ☐ MULTIPLE ☐

Lease Name: Cudbud Gas Com

Well No.: 2

Location: 2310 FEET FROM THE SOUTH LINE AND 2310 FEET FROM THE EAST LINE

Pool: Cudbud Morrow

County: Eddy

Elevation: 3109' GL

Proposed Depth: 11,700'

Rotary or C.T.: Rotary

Drilling Contractor: Loffland Bros.

Date Work will start: 1-15-71

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17½"	13 3/8"	48#	450'	450	Surface
12¼"	9-5/8"	36#	3,200'	1200	Surface
8-3/4"	7"	23,26,29#	11,700'	470	9000'

The Carlsbad City Attorney has been notified of this encroachment to drill with reference to the Carlsbad Airport.

APPROVAL VALID FOR 90 DAYS UNLESS DRILLING COMMENCED, EXPIRES 4-15-71

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed: R M Williams Title: Date:

(This space for State Use)

APPROVED BY: W. A. Gressett TITLE: OIL AND GAS INSPECTOR DATE: JAN 15 1971

CONDITIONS OF APPROVAL, IF ANY:

Cement must be circulated to surface behind 13 3/8" casing

NO. OF COPIES RECEIVED	3	
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OPERATOR	1	

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NEW MEXICO OIL CONSERVATION COMMISSION
JAN 21 1971
O. C. C.
ARTESIA, OFFICE

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

5a. Indicate Type of Lease
State ☐ Fee ☒

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL ☐ GAS WELL ☒ OTHER-

7. Unit Agreement Name
----

2. Name of Operator
Morris R. Antweil

8. Farm or Lease Name
Little Jewel Com.

3. Address of Operator
Box 2010, Hobbs, New Mexico 88240

9. Well No.
1

4. Location of Well
UNIT LETTER **F** , **1980** FEET FROM THE **North** LINE AND **1900** FEET FROM **West** THE LINE, SECTION **31** TOWNSHIP **22-S** RANGE **27-E** NMPM.

10. Field and Pool, or Wildcat
South Carlsbad (Morrow Gas)

15. Elevation *(Show whether DF, RT, GR, etc.)*
3189' GL

12. County
Eddy

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☒	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☒	
OTHER ☐		OTHER ☐	

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

**Spudded 10:00 AM 16 Jan 1971.
Drilled 17-1/2" hole to 387'
Cemented 13-3/8" 54# J-55 Casing @ 373' with 380 sx. Class "C" cement containing 2% $CaCl_2$. Plug down 12:30 PM 17 Jan. 1971. Cement circulated. WOC 24 hrs. Tested casing w/1000 psi for 30 minutes with no decline in pressure.**

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

SIGNED R M Williams TITLE **Agent** DATE **January 19,1971**

APPROVED BY W. A. Gressett TITLE OIL AND GAS INSPECTOR DATE JAN 21 1971

CONDITIONS OF APPROVAL, IF ANY:

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

5a. Indicate Type of Lease
State ☐ Fee ☒

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL ☐ GAS WELL ☒ OTHER-

7. Unit Agreement Name
------

2. Name of Operator
Morris R. Antweil

8. Farm or Lease Name
LittleJewel Com.

3. Address of Operator
Box 2010, Hobbs, New Mexico 88240

9. Well No.
1

4. Location of Well
UNIT LETTER **F**, **1980** FEET FROM THE **North** LINE AND **1900** FEET FROM THE **West** LINE, SECTION **31** TOWNSHIP **22-S** RANGE **27-E** NMPM.

10. Field and Pool, or Wildcat
South Carlsbad

15. Elevation *(Show whether DF, RT, GR, etc.)*
3189' GL

12. County
Eddy

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☒	
OTHER ☐		OTHER ☐	

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

Drilled 12-1/4" hole to 2,600'. Cemented 9-5/8" 36# J-55 casing at 2,600'. with 750 sx Halliburton lite cement containing 3# gilsonite per sx and 200 sx Class "C" cement. Plug down 12:30AM 23 Jan. 71. Did not circulate. Temp survey top pf cement-500'. WOC 24 hrs. Tested casing w/2000 psi for 30 minutes with no decline in pressure.Drilling ahead with 8-3/4" bits.

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

SIGNED R M Williams TITLE **Agent** DATE **1-25-71**

APPROVED BY W. A. Gressett TITLE OIL AND GAS INSPECTOR DATE JAN 2[illegible] 1971

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ARTESIA, OFFICE

NEW MEXICO OIL CONSERVATION COMMISSION

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

5a. Indicate Type of Lease
State ☐ Fee ☒

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL ☐ GAS WELL ☒ OTHER-

7. Unit Agreement Name
- - - - - -

2. Name of Operator
Morris R. Antweil /

8. Farm or Lease Name
Little Jewel Comm.

3. Address of Operator
Box 2010, Hobbs, New Mexico 88240

9. Well No.
1

4. Location of Well
UNIT LETTER **F**, **1980** FEET FROM THE **North** LINE AND **1900** FEET FROM THE **West** LINE, SECTION **31** TOWNSHIP **22S** RANGE **27E** NMPM.

10. Field and Pool, or Wildcat
South Carlsbad

15. Elevation (*Show whether DF, RT, GR, etc.*)
3,187' G.L.

12. County
Eddy

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	CHANGE PLANS ☒	CASING TEST AND CEMENT JOB ☐	
OTHER ☐		OTHER ☐	

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

Proposed to alter casing and cementing program as follows:

Size of Hole	Size of Casing	Wt. per ft.	Setting Depth	Cement	Est. Top
8-3/4"	7"	23,26,29#	10,700'	1070 sx.	2500'
6-1/4"	4-1/2" Liner	13.5#	11,800'	100 sx	Circ. Liner

Presently drilling @ 10,501'.

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

SIGNED C M Williams TITLE **Agent** DATE **2-22-71**

APPROVED BY W A Gressett TITLE _____ DATE FEB 26 1971

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OPERATOR	✓

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O. C. C.
ARTESIA, OFFICE

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL ☐ GAS WELL ☒ OTHER-

7. Unit Agreement Name: ----

2. Name of Operator: Morris R. Antweil ✓

8. Farm or Lease Name: Little Jewel Comm.

3. Address of Operator: Box 2010, Hobbs, New Mexico 88240

9. Well No.: 1

4. Location of Well: UNIT LETTER F, 1980 FEET FROM THE North LINE AND 1900 FEET FROM THE West LINE, SECTION 31 TOWNSHIP 22S RANGE 27E NMPM.

10. Field and Pool, or Wildcat: South Carlsbad (Grayburg Gas)

15. Elevation (Show whether DF, RT, GR, etc.): 3189' GL

12. County: Eddy

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☒	
OTHER ☐		OTHER ☐	

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

Drilled 8-3/4" hole to 10,700'. Cemented 7" casing @ 10,700' as follows:

56 jts.	- 1638.73'	- 7"	- 23#	- N-80	X-line.
39 jts.	- 1194.37'	- 7"	- 23#	- N-80	LTC
61 jts.	- 2590.41'	- 7"	- 23#	- N-80	Speed-thd.
40 jts.	- 1689.98'	- 7"	- 26#	- N-80	Speed-thd.
28 jts.	- 956.76'	- 7"	- 26#	- N-80	LTC
69 jts.	- 2637.43'	- 7"	- 29#	- N-80	LTC
293	10707.68'	W/DU Stage tool @ 8595'.			

Cemented w/1st. stage- 70sx Halliburton lite cement w/0.2% HRY ƒ 300 sx. Class C. cement w 18#/sx salt and 3/4% CFR-2. Circ. out 10 bbls. cement. 2nd stage- 100 sx class C cement w/3/4% CFR-2 ƒ 700 sx. Halliburton lite cement. w/3# gillsonite. Plug down 2:15 AM 1 Mar. 71. Temperature survey Top Cement 2650'. WOC 24 hrs. Tstd. casing - 2000 psi- 30 mins. - OK- Drilling 6-1/8" hole.

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

SIGNED R M Williams TITLE Agent DATE 3 March 71

APPROVED BY W. A. Gressett TITLE OIL AND GAS INSPECTOR DATE MAR 4 1971

CONDITIONS OF APPROVAL, IF ANY:

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

5a. Indicate Type of Lease: State ☐ Fee ☒

5. State Oil & Gas Lease No.: ----

SUNDRY NOTICES AND REPORTS ON WELLS

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

7. Unit Agreement Name: ----

1. OIL WELL ☐ GAS WELL ☒ OTHER-

8. Farm or Lease Name: Little Jewel Comm.

2. Name of Operator: Morris R. Antwell

9. Well No.: 1

3. Address of Operator: Box 2010, Hobbs, New Mexico 88240

10. Field and Pool, or Wildcat: South Carlsbad Morrow Gas

4. Location of Well: UNIT LETTER F, 1980 FEET FROM THE North LINE AND 1900 FEET FROM THE West LINE, SECTION 31 TOWNSHIP 22-S RANGE 27-E NMPM.

15. Elevation (Show whether DF, RT, GR, etc.): 3139' GL

12. County: Eddy

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☒	
OTHER ☐		OTHER ☐	

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

Drilled 6-1/8" hole to TD 11,818'. Cemented 4-1/2" liner 10,538' - 11,818' as follows:

40 jts. - 1279.67' -- 4-1/2 " -- 11.6# -- N-80
Burns liner hanger w/lead seal @ 10,538'.
Cemented w/150 sx Class "C" cement containing 1% CFR-2 and 1/2% Halad-9. Plug down 7:30 AM 18 Mar. 71 w/2100 psi.
Reversed out 8 bbls. of cement slurry off top of liner.
WOC 24 hrs. Drilled out. Pressure tested liner w/2000 psi. for 30 mins. with no decline in pressure.

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

SIGNED R M Williams TITLE Agent DATE April 9, 1971

APPROVED BY W. A. Gressett TITLE [illegible] DATE APR 12 1971

CONDITIONS OF APPROVAL, IF ANY:

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LAND OFFICE	
OPERATOR	

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NEW MEXICO OIL CONSERVATION COMMISSION

APR 12 1971

O. C.
ARTESIA, OFFICE

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

5a. Indicate Type of Lease
State ☐ Fee ☒

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL ☐ GAS WELL ☒ OTHER-

7. Unit Agreement Name
----

2. Name of Operator
Morris R. Antweil

8. Farm or Lease Name
Little Jewel Comm.

3. Address of Operator
Box 2010, Hobbs, New Mexico 88240

9. Well No.
1

4. Location of Well
UNIT LETTER F, 1980 FEET FROM THE North LINE AND 1900 FEET FROM THE West LINE, SECTION 31 TOWNSHIP 22-S RANGE 27-E NMPM.

10. Field and Pool, or Wildcat
South Carlsbad

15. Elevation (Show whether DF, RT, GR, etc.)
3189' GL

12. County
Eddy

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☐	
OTHER ☐		OTHER Completion ☒	

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

Perforated Morrow interval with 2 jet shots at each of the following depths: 11,441', 11,445', 11,448', 11,455', 11,462', and 11,465' (12 holes). Set Baker Model "F" retainer production packer @ 11,390' on Schlumberger wire line. Ran tubing and engaged packer. Swabbed in Morrow gas, Flowed 5524 MCFPD thru 18/64" choke w/2925 psi. FTP. Set blanking plug in packer and pulled tubing from receptical @ 11,375'.

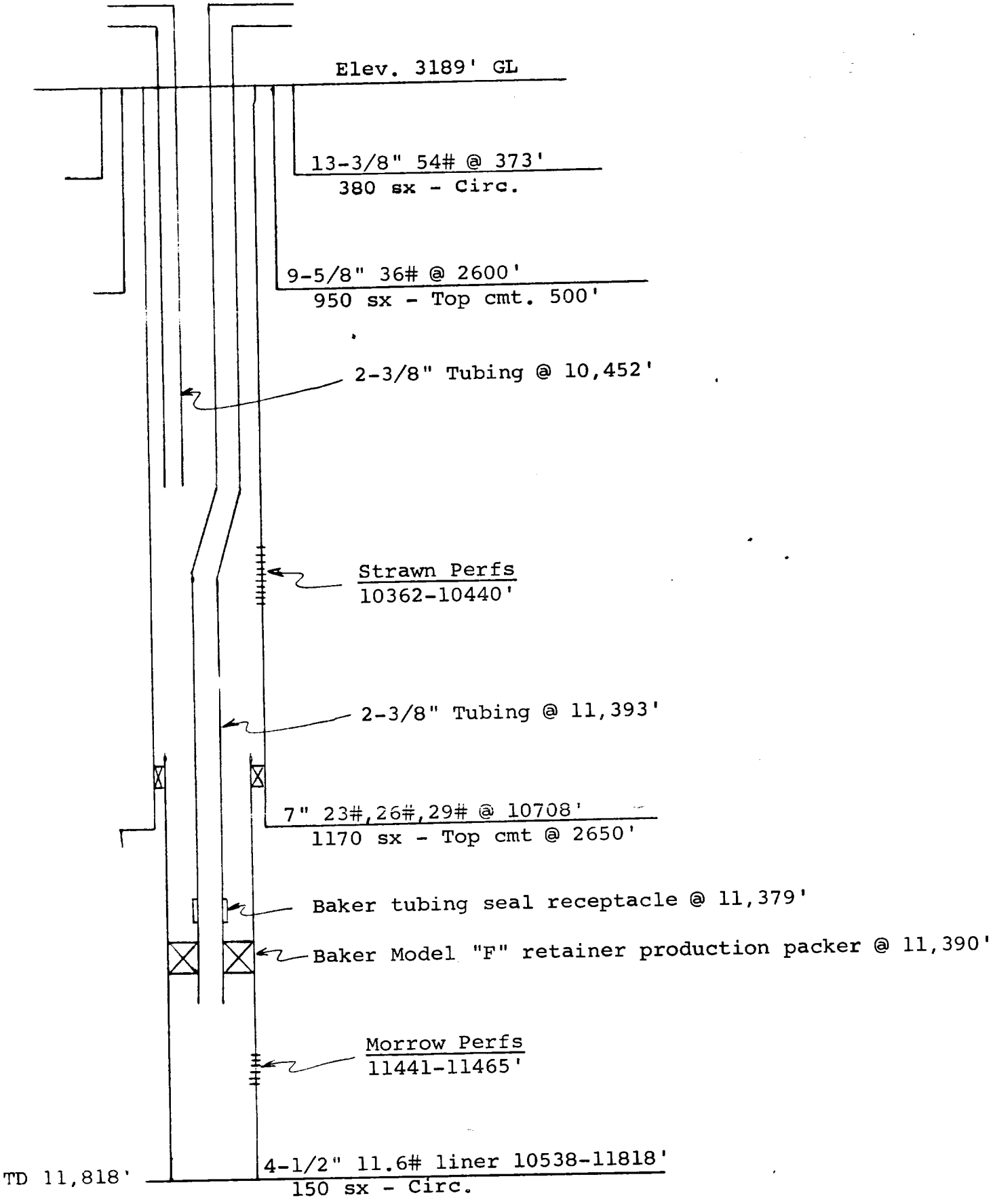
18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

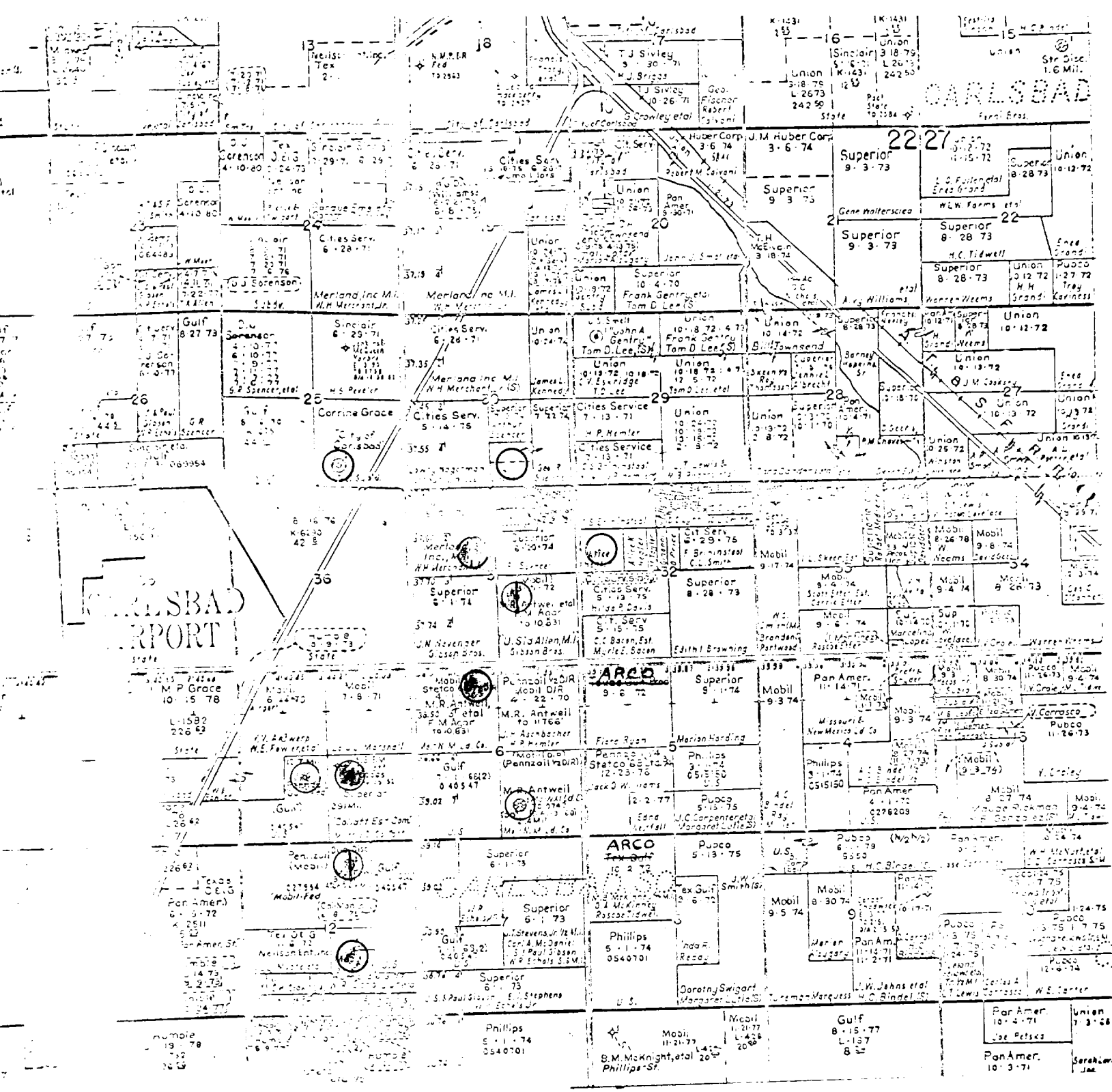
SIGNED R M Williams TITLE Agent DATE April 9, 1971

APPROVED BY W. A. Gressett TITLE OIL AND GAS INSPECTOR DATE APR 12 1971

CONDITIONS OF APPROVAL, IF ANY:

DIAGRAMMATIC SKETCH
MORRIS R. ANTWEIL - NO. 1 LITTLE JEWEL
STRAWN - MORROW DUAL





MORRIS R. ANTWEIL
APPLICATION FOR MULTIPLE COMPLETION
SOUTH CARLSBAD FIELD

- Dedicated Acreage
- Strawn-Morrow Dual
- Strawn Completion
- Morrow Completion
- Atoka-Morrow Dual

Morris R. Antweil
OIL OPERATOR
P. O. Box 2010
HOBBS, NEW MEXICO 88240

RECEIVED
MAY 6 1971
ARTESIA

May 5, 1971

New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

REFERENCE: Application for Administrative Approval of Multiple Completion, South Carlsbad Field, Eddy County, New Mexico

Gentlemen:

Morris R. Antweil respectfully requests administrative approval of a multiple completion in the South Carlsbad Field, Eddy County, to permit the completion of our No. 1 Little Jewel, located in Section 31-22S-27E, as a gas-gas, Strawn-Morrow dual completion. Commission Form C-107, Application for Multiple Completion, accompanied by the required supplemental information, is enclosed.

The Commission has previously authorized a Strawn-Morrow multiple completion in the South Carlsbad Field for the Morris R. Antweil No. 1 Allen by Order No. R-4056. The completion intervals in the offsetting No. 1 Allen are stratigraphically equivalent to those of the proposed dual in the No. 1 Little Jewel.

In view of the distinctly separate reservoir developments in the Strawn and Morrow formations and the previous approval of a similar multiple completion, Morris R. Antweil requests administrative approval of the multiple completion of the No. 1 Little Jewel.

Respectfully,

MORRIS R. ANTWEIL

R M Williams

R. M. Williams

RMW/lm
Enclosures
cc: New Mexico Oil Conservation Com.
District II Office
Artesia, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

APPLICATION FOR MULTIPLE COMPLETION

RECEIVED
MAY 6 1971
O. C. C.
ARTESIA, OFFICE

Morris R. Antweil	County: Eddy	Date: May 5, 1971	
Box Hobbs, N. M. 88240	Lease: Little Jewel	Well No.: 1	
F	Section: 31	Township: 22-S	Range: 27-E

Has the New Mexico Oil Conservation Commission heretofore authorized the multiple completion of a well in these same pools or in the same zones within one mile of the subject well? YES X NO ____
If answer is yes, identify one such instance: Order No. R-4056 ; Operator Lease, and Well No.: Morris R. Antweil Allen #1

The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	S. Carlsbad (Strawn)		S. Carlsbad (Morrow)
b. Top and Bottom of Pay Section (Perforations)	10,362'-10,440'		11,441'-11,465'
c. Type of production (Oil or Gas)	Gas		Gas
d. Method of Production (Flowing or Artificial Lift)	Flow		Flow

4. The following are attached. (Please check YES or NO)

Yes	No	
X		Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
X		Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
	X	Waivers consenting to such multiple completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.*
X		Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed it shall be submitted as provided by Rule 112-A.)

5. List all operators to the lease on which this well is located together with their correct mailing address.

Morris R. Antweil Box 2010 Hobbs, N. M. 88240
Service Oil Co. 800 Vaughn Bldg., Midland, Texas 79701
Corrine Grace Box 1418 Carlsbad, N. M. 88220
Oil Co. Box 1900 Midland, Texas 79701
-United, Inc. Box 1828 Midland, Texas 79701

Operators listed in Item 5 above notified and furnished a copy of this application? YES X NO ____. If answer is yes, date of such notification 5 May 1971 - by mail.

CERTIFICATE: I, the undersigned, state that I am the Agent of ~~the~~ Morris R. Antweil (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

R M Williams
Signature

from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission may process the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

If the proposed multiple completion will result in an unorthodox well location and/or a non-standard proration unit in one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

CONE & KERLEY, INC.

PHONE EM 6-6442

PETROLEUM ENGINEERING SERVICES ODESSA, TEXAS – 79760 P. O. BOX 2982

For: Morris R. Antweil
P. O. Box 2010
Hobbs, New Mexico 88240

Date of Test: April 20, 1971
Field: South Carlsbad

Well No.: Little Jewell No. 1-L.T. Separator Gas Flow Rate 6139 MCF/Day

A. YIELD AND CHARACTERISTICS OF SEPARATOR EFFLUENTS AT 885 PSIG AND 42 °F

1. Separator condensate GPM, Gal/MCF separator gas ..... GPM
2. Yields per MCF of full wellstream: (Dry Sep. Gas + Vap. Cond.)
   (a) Stock tank condensate (____ ° API) (____ Bbls/MM) ..... GPM
   (b) Separator Gas ..... %
   (c) Water (Cl = ____ ppm) ..... Bbls/MM
3. Separator Condensate Shrinkage Factor:
   Percent recovered by ____ Flash Vaporization from separator pressure
   and weathered to ____ °F ..... %
4. Separator Condensate Vapor Equivalent: ..... Cu. Ft./Gal.

B. COMPOSITION OF SEPARATOR EFFLUENTS

	GAS Mol %	GAS GPM	CONDENSATE Mol %	CONDENSATE Liq. Vol. %
Hydrogen Sulfide	Nil			
Oxygen	Nil			
Nitrogen	.32			
Carbon Dioxide	.97			
Methane	96.45			
Ethane	1.87			
Propane	.27	.074		
Iso-Butane	.04	.013		
N-Butane	.04	.013		
Iso-Pentane	.01	.004		
N-Pentane	.01	.004		
Iso-Hexanes				
N-Hexane				
Pentanes Plus				
Hexanes Plus	.02	.009		
Heptanes Plus				
TOTALS	100.00	.117		

C. FULL WELL STREAM COMPOSITION:

	Mol %	GPM
Hydrogen Sulfide		
Oxygen		
Nitrogen		
Carbon Dioxide		
Methane		
Ethane		
Propane		
Iso-Butane		
N-Butane		
Iso-Pentane		
N-Pentane		
Iso-Hexanes		
N-Hexane		
Pentanes Plus		
Hexanes Plus		
Heptanes Plus		
TOTALS		

D. MISCELLANEOUS DATA:

SEPARATOR GAS

Sp. Gr. .578 (Measured) (Air = 1)
Sp. Gr. .578 (Calculated) (Air = 1)
BTU/Cu. Ft. 1015 (Dry Basis)
BTU/Cu. Ft. 997 (Wet Basis)

Gasoline Content:
26#
100
XS

Gasoline .028 GPM
% Propane .074 GPM
Butanes .015 GPM
TOTAL .117 GPM

SEPARATOR CONDENSATE

Characteristics of ____ plus in liquid residue:
Specific Gravity ..... (Water = 1)
Molecular Weight .....
Cu. Ft. Vapor per gallon .....

FULL WELL STREAM

Characteristics of ____ plus in full well stream:
Specific Gravity ..... (Water = 1)
Molecular Weight .....
Cu. Ft. Vapor per gallon .....
Full Well Stream Sp. Gr. = ____ (Air = 1)

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Volumes = 14.65 psi & 60° F.

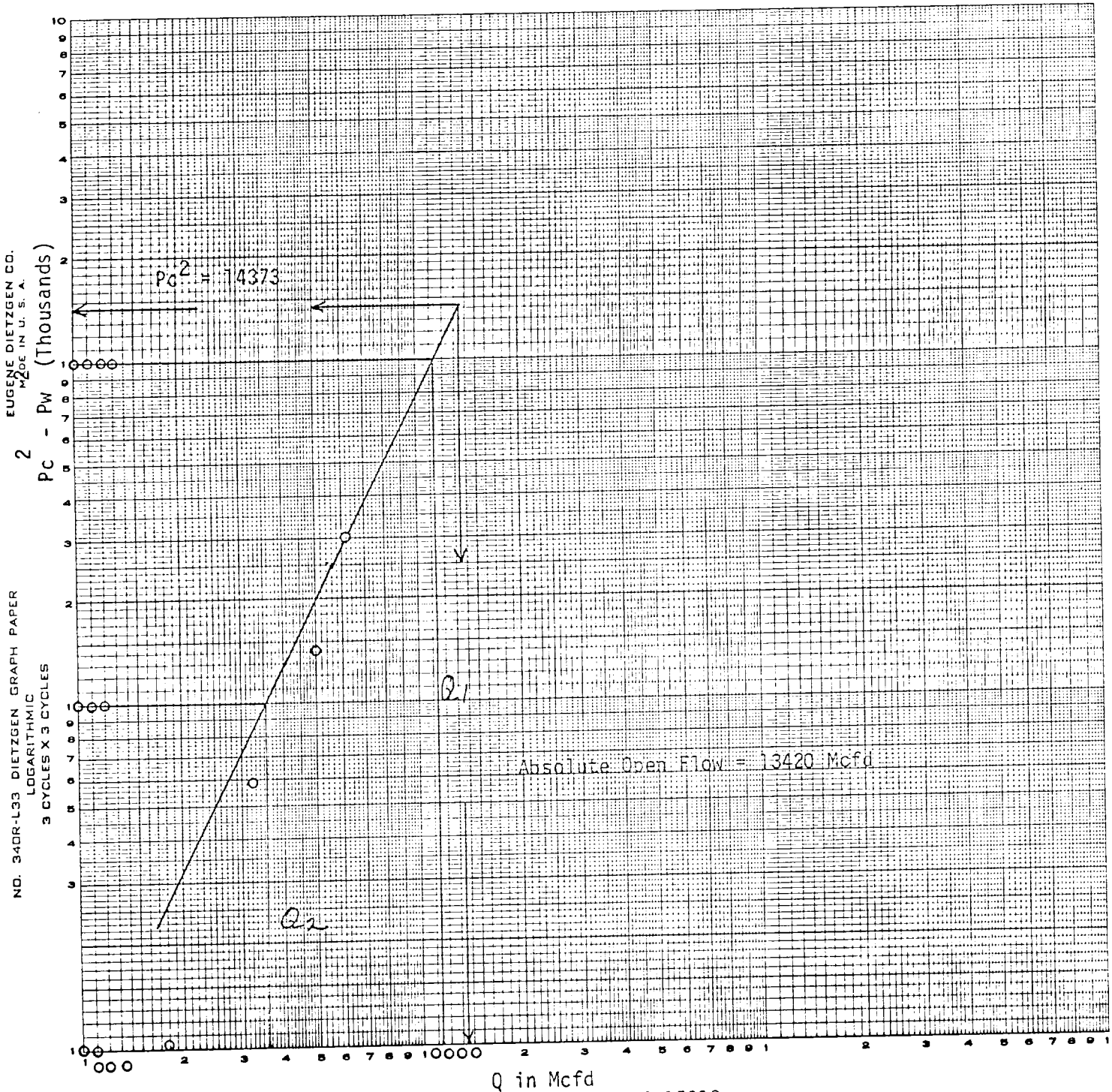
REMARKS: ____

Certified: CONE & KERLEY, INC.

By Bill Kerley
Bill Kerley

C & K Form 3-69

Company	:	Morris R. Antweil
Well	:	Little Jewell No. 1-LT
Location	:	F, 31-22S - 27E
County	:	Eddy
Date	:	April 20, 1971



Q1 = 11300
Q2 = 3520

Log Q1 = 4.05308
Log Q2 = 3.54654
.50654 - N = .500 (63.5^0)

NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 1-1-65

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Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 4-20-71	
Company: Morris R. Antweil			Connection: None		Unit:
Pool: South Carlsbad			Formation: Morrow		
Completion Date: 4-1-71	Total Depth: 11,818		Plug Back TD: 11,759	Elevation: 3206 K.B.	Farm or Lease Name: Little Jewell
Csg. Size: 7" 4-1/2"	Wt.: 23 11.60	d: 6.366 4.000	Set At: *10,703	Perforations: From 11,441 To 11,468	Well No.: 1 - L.T.
Tbg. Size: 2-3/8	Wt.: 4.70	d: 1.995	Set At: 11390	Perforations: From Open End To	Unit: F Sec.: 31 Twp.: 22-S Rge.: 27-E
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G.G.			Packer Set At: 11,390		County: Eddy
Producing Thru: Tubing	Reservoir Temp. °F: 174 @ 11455	Mean Annual Temp. °F:	Baro. Press. – P_a: 13.2		State: New Mexico
L: 11390	H: 11390	Gg: .581	% CO_2: 1.02	% N_2: .28	% H_2S: Nil
Prover:	Meter Run: 3.068"	Taps: Flange			

FLOW DATA / TUBING DATA / CASING DATA

NO.	Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI					3778	70		S.I.	96 Hrs.
1.	3.068 X 1.500	701	18	76	3750	72			.75
2.	3.068 X 1.500	780	48	54	3651	72			.50
3.	3.068 X 1.500	880	92	40	3468	72			.50
4.	3.068 X 2.000	885	38	42	3167	72			1.00
5.									

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	11.13	113.38	714.2	.9850	1.312	1.098	1791
2.	11.13	195.12	793.2	1.006	1.312	1.125	3225
3.	11.13	286.66	893.2	1.020	1.312	1.166	4978
4.	21.32	184.75	898.2	1.018	1.312	1.167	6139
5.							

NO.	P_r	Temp. °R	T_r	Z
1	1.90	536	1.52	.830
2.	2.11	514	1.46	.790
3.	2.37	500	1.42	.735
4.	2.39	502	1.43	.734
5.				

Gas Liquid Hydrocarbon Ratio: Dry Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: Dry Deg.
Specific Gravity Separator Gas: .581 xxxxxxxxxx
Specific Gravity Flowing Fluid: xxxxx
Critical Pressure: 676.8 P.S.I.A. 676.8 P.S.I.A.
Critical Temperature: 351.8 R 351.8 R

P_c 3791.2 P_c^2 14373.2

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		3777.7	14271.0	102.3
2		3713.6	13790.8	582.5
3		3601.7	12972.2	1401.1
4		3371.3	11365.7	3007.6
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.779$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.186$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 13420$

Absolute Open Flow: 13420 Mcfd @ 15.025
Angle of Slope θ: 63.5
Slope, n: .500

Remarks: *Casing Size Set At 10,541 to 11,818

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Bill Kirby	Bill Kirby	Bill Kirby

Morris R. Antweil - Little Jewel No. 1 - 1980 FNL and 1900 FWL, Section 31, T-22-S, R-27-E, Eddy County, New Mexico

Following is a summary of slope tests taken with the best instruments available on the above well. These tests indicate inclination from vertical.

Depth	Angle of Inclination (degrees)
3/4	161
1/2	350
1-1/2	860
3/4	1,177
1/2	1,364
1-1/4	1,678
1-3/4	1,783
1-1/4	1,898
1	2,275
1-1/2	2,442
1-1/4	2,600
3/4	2,868
1/2	3,340
1/4	3,747
1/2	4,240
1/2	4,681
1/2	5,248
1-3/4	5,745
1-1/4	5,933
3	6,215
3-1/4	6,268
2-1/2	6,466
2	6,643
1-3/4	6,810
1	7,283
1-1/4	7,327
1	7,790
2-1/4	8,288
2-1/2	8,477
1-3/4	8,793
2-1/2	9,115
2-1/2	9,366
2-1/2	9,706
2-1/4	10,060
3/4	10,571
1-1/4	10,700
1-1/4	10,987
1-1/2	11,304
3/4	11,475
1/2	11,594
1-1/4	11,820

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DELTA DRILLING COMPANY

T. C. Carlton, Drilling Supt.

STATE OF TEXAS

COUNTY OF ECTOR

oregoing instrument was acknowledged before me this 29th day of Ap 1971, by CARLTON, known to me to be the person whose name is subscribed to, who, being duly sworn, on oath states that the above is true and correct to best of nowledged.

Lynna Jo Edwards, Notary Public

OIL CONSERVATION COMMISSION

BOX 2045

HOBBS, NEW MEXICO

NOTICE OF GAS CONNECTION

DATE October 4, 1971

This is to notify the Oil Conservation Commission that connection for the purchase of gas from the Morris R. Antweil Operator/Little Jewel Morrow #1
Operator Lease

F, 31-22S-27E, S. Carlsbad (Morrow), Lleno, Inc.,
Well Unit S.T.R. Pool Name of ~~XXXXXXXX~~ Pipeline Co.

was made on 9/30/71.

LLANO, INCORPORATED
~~XXXXXXXX~~
PIPELINE COMPANY

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OCT 7 1971
O. C. C.
ARTESIA, OFFICE

H. L. Smith
Representative

VICE-PRESIDENT - OPERATIONS
Title

cc: To operator
Oil Conservation Commission - Santa Fe

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	GAS	✓
OPERATOR		
PRORATION OFFICE		

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

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

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O. C. D.
ARTESIA, OFFICE

I. Operator: Morris R. Antweil ✓

Address: Box 2010, Hobbs, New Mexico 88240

Reason(s) for filing *(Check proper box)*: New Well [X]; Recompletion [ ]; Change in Ownership [ ]; Change in Transporter of: Oil [ ], Dry Gas [ ], Casinghead Gas [ ], Condensate [ ]

Other *(Please explain)*:

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

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Little Jewel Com.	1	South Carlsbad(Morrow)	State, Federal or Fee Fee	

Location: Unit Letter F ; 1980 Feet From The North Line and 1900 Feet From The West

Line of Section 31 Township 22-S Range 27-E , NMPM, Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil [ ] or Condensate [ ]	Address *(Give address to which approved copy of this form is to be sent)*
None	
Name of Authorized Transporter of Casinghead Gas [ ] or Dry Gas [X]	Address *(Give address to which approved copy of this form is to be sent)*
Llano, Inc.	Box 1320 Hobbs, New Mexico 88240

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
					~~No.~~ Yes	9-30-71 ~~13 Sept. 71~~

If this production is commingled with that from any other lease or pool, give commingling order number: No.

IV. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		X	X					

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
16 Jan. 71	20 Apr. 71	11,818'	11,786'
Elevations *(DF, RKB, RT, GR, etc.)*	**Name of Producing Formation**	**Top Oil/Gas Pay**	**Tubing Depth**
3189' GL	Morrow	11,441'	11,393- 2-3/8"
Perforations			**Depth Casing Shoe**
2 h @ 11441, 11445, 11448, 11455, 11462 11465			11818

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
17-1/2"	13-3/8"	373'	380 sx.
12-1/4"	9-5/8"	2600'	950 sx.
8-3/4"	7 "	10708'	1170 sx.
6-1/8"	4-1/2" liner	10538' - 11818'	150 sx.

V. TEST DATA AND REQUEST FOR ALLOWABLE

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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-Bbls.**	**Gas-MCF**

GAS WELL S/C to Llano

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
6139	1 hr.	----	----
Testing Method *(pitot, back pr.)*	**Tubing Pressure (Shut-in)**	**Casing Pressure (Shut-in)**	**Choke Size**
Back Pressure	3778 psig.	----	17/64"

VI. CERTIFICATE OF COMPL..

I hereby ce... that the rules ... gulations of the Oil Conservation Commiss... e been complied with and that the information given above is ... nd complete to the best of my knowledge and belief.

C M Williams
(Signature)

Agent
(Title)

10 Sept. 71
(Date)

OIL CONSERVATION COMMISSION

APPROVED OCT 14 1971, 19____

BY W. A. Gressett

TITLE OIL AND GAS INSPECTOR

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

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

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

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

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

MORRIS R. ANTWEIL
LITTLE JEWEL NO. 1
F-31-22-27, Eddy County

DST SUMMARY

DST #1, 11,435'-11,475' (Morrow) 1500' WB, open 34 mins, WB and GTS 4 mins. Flowed at rate of 5273 MCFGPD on 1/4" choke. Recovered 120' drilling fluid. 2 hrs ISIP 4757 psi, FP 4191-4679 psi, 155 min FSIP 4757 psi.

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Form C-105
Revised 1-1-65

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

5a. Indicate Type of Lease: State ☐ Fee ☒

5. State Oil & Gas Lease No.: ----

1a. TYPE OF WELL

b. TYPE OF COMPLETION: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ____
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER

7. Unit Agreement Name: ----

8. Farm or Lease Name: Little Jewel Comm.

2. Name of Operator: Morris R. Antweil

9. Well No.: 1

3. Address of Operator: Box 2010, Hobbs, New Mexico 88240

10. Field and Pool, or Wildcat: South Carlsbad (Morrow)

4. Location of Well
UNIT LETTER F LOCATED 1980 FEET FROM THE North LINE AND 1900 FEET FROM
THE West LINE OF SEC. 31 TWP. 22-S RGE. 27-E NMPM

12. County: Eddy

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Cashinghead
16 Jan 71	17 Mar. 71	20 April 71	3189' GL	3189'

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By →	Rotary Tools	Cable Tools
11,818'	11,786'	Two Zones		0-11818'	----

24. Producing Interval(s), of this completion — Top, Bottom, Name: 11,441' --- 11,465' Morrow

25. Was Directional Survey Made: No

26. Type Electric and Other Logs Run: Gamma-Sonic, MLL, LL

27. Was Well Cored: No.

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

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	54#	373'	17-1/2"	380 Sx.	----
9-5/8"	36#	2600'	12-1/4"	950 Sx.	----
7"	23,26,29#	10708'	8-3/4"	1170 sx.- 2 stages	----
			6-1/8"		

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
4-1/2"	10,538'	11,818'	150 sx	--

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-3/8"	10,452'	----
2-3/8"	11,393'	11,390'

31. Perforation Record (Interval, size and number) 12 holes @ 2 holes @ each of the following depths: 11441', 11445', 11448', 11455', 11462' and 11465'.

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
	None

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping — Size and type pump)	Well Status (Prod. or Shut-in)
20 April 71	Flowing	Shut-In.

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas — Oil Ratio
20 April 71	1 hr.	17/64"					

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)
3167 psi.	----		--	6139	--	----

34. Disposition of Gas (Sold, used for fuel, vented, etc.): Test vented, connection pending

Test Witnessed By: Bill Kerley

35. List of Attachments: C-122, logs, DST Summary, Deviation record, packer leakage test.

36. *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.*

SIGNED R M Williams TITLE Agent DATE 4-30-71

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission 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 30 through 34 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				Northwestern New Mexico			
T. Anhy		T. Canyon		T. Ojo Alamo		T. Penn. "B"	
T. Salt		T. Strawn	10,260	T. Kirtland-Fruitland		T. Penn. "C"	
B. Salt		T. Atoka	10,528	T. Pictured Cliffs		T. Penn. "D"	
T. Yates		T. Miss		T. Cliff House		T. Leadville	
T. 7 Rivers		T. Devonian		T. Menefee		T. Madison	
T. Queen		T. Silurian		T. Point Lookout		T. Elbert	
T. Grayburg		T. Montoya		T. Mancos		T. McCracken	
T. San Andres		T. Simpson		T. Gallup		T. Ignacio Qtzte	
T. Glorieta		T. McKee		Base Greenhorn		T. Granite	
T. Paddock		T. Ellenburger		T. Dakota		T.	
T. Blinebry		T. Gr. Wash		T. Morrison		T.	
T. Tubb		T. Granite		T. Todilto		T.	
T. Drinkard		T. Delaware Sand	1878	T. Entrada		T.	
T. Abo		T. Bone Springs	5250	T. Wingate		T.	
T. Wolfcamp		T. 3rd" " Sand	8365	T. Chinle		T.	
T. Penn.		T. Morrow	11,080	T. Permian		T.	
T Cisco (Bough C)		T.		T. Penn. "A"		T.	

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	1878	1878	Red Bed, Salt, Sand				
1878	5250	3372	Sand, Shale & Anhy.				
5250	10260	5010	Lime. Sand, Shale				
10260	10528	268	Lime				
10528	11818	1558	Lime, Sand & Shale				

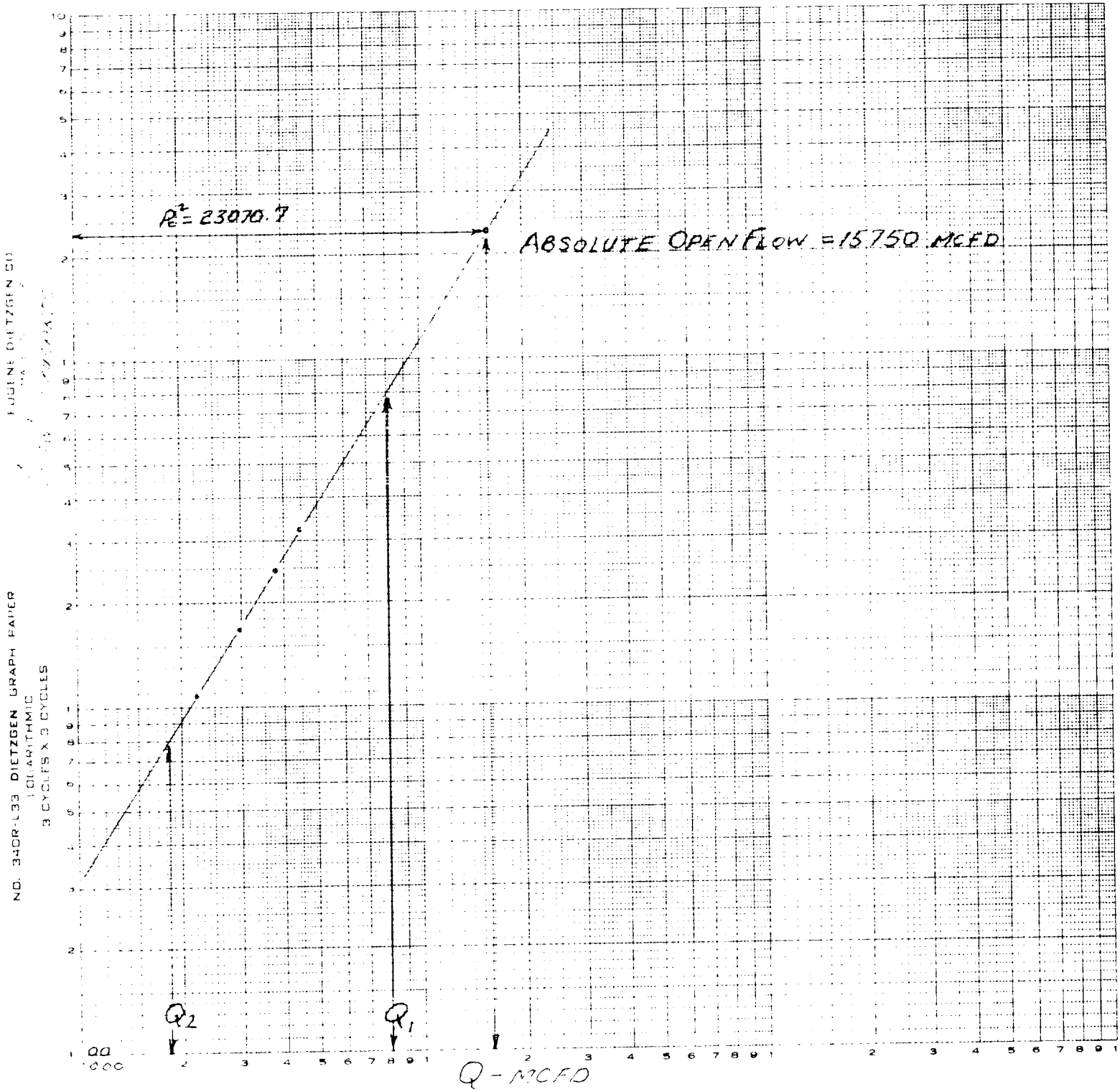
COMPANY MORR R. ANTWEIL

WELL LITTLE JEWEL, NO.1 LT

LOCATION Unit F, Sec.31 22 s 27 e

COUNTY Eddy New Mexico

DATE November 15, 1971



$Q_1 = 8000$ MCFD; LOG $Q_1 = 3.90309$

$Q_2 = 8490$ MCFD; LOG $Q_2 = 3.92882$

$n = 0.63521 = 0.638$

NE .EXICO OIL CONSERVATION COMMSS

Form C-122
Revised 9-1-65

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

RECEIVED
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O. C. C.
ARTESIA, OFFICE

Type Test: [ ] Initial [X] Annual [ ] Special — Test Date: 11-15-71

Company: Morris R. Antweil	Connection: Llano, Inc.		Unit
Pool: South Carlsbad Morrow	Formation: Morrow		
Completion Date: 4-1-71	Total Depth: 11818'	Plug Back TD: 11759'	Elevation: 3206' KB
Farm or Lease Name: Little Jewel Com			
Csg. Size: 4 1/2" / Wt.: 23.0 11.60 / d: 6.366 4.000 / Set At: 10703'	Perforations: From 11441' To 11468'		Well No.: 1
Tbg. Size: 2 3/8" / Wt.: 4.70 / d: 1.995 / Set At: 11390'	Perforations: From Open To Ended		Unit: F / Sec.: 31 / Twp.: 22s / Rge.: 27e
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G.G. Multriple	Packer Set At: 11390'		County: Eddy
Producing Thru: Tubing	Reservoir Temp. °F: 195 @ 11370'	Mean Annual Temp. °F: 60	Baro. Press. – P_a: 13.2 — State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
11455'	–	0.569	0.20	0.12	0.00		X	F

NO.	FLOW DATA: Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI					3780 DWT				48.0 hrs
1.	4 10/64 2.000	500	13	64	3705	66	PACKER		1.0
2.	4 11/64 2.000	510	23	59	3626	64	–	–	1.0
3.	4 13/64 2.000	520	36	59	3520	61	–	–	1.0
4.	4 15/64 2.000	520	50	59	3410	61	–	–	1.0
5.									

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft,	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	19.81	81.69	513.2	0.9962	1.326	1.035	2212.6
2	19.81	109.70	523.2	1.0010	1.326	1.037	2991.3
3	19.81	138.55	533.2	1.0010	1.326	1.038	3781.5
4	19.81	163.28	533.2	1.0010	1.326	1.038	4456.4
5							

NO.	P_r	Temp. °R	T_r	Z
1	0.76	524	1.55	0.933
2	0.77	519	1.54	0.930
3	0.79	519	1.54	0.928
4	0.79	519	1.54	0.928
5				

Gas Liquid Hydrocarbon Ratio: Dry gas Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: – Deg.
Specific Gravity Separator Gas: 0.569 — xxxxxxxxx
Specific Gravity Flowing Fluid: xxxxx — –
Critical Pressure: 676 P.S.I.A. — – P.S.I.A.
Critical Temperature: 337 R — – R

P_c 4803.2 P_c^2 23070.7

NO	P_t	P_w*	P_w^2	$P_c^2 - P_w^2$
1	–	4688.2	21979.2	1091.5
2	–	4623.2	21374.0	1696.7
3	–	4540.2	20613.4	2457.3
4	–	4457.2	19866.6	3204.1
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 9.389$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 4.170$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 15769$

Absolute Open Flow: 15750 Mcfd @ 15.025 — Angle of Slope θ: 57° 27' — Slope, n: 0.638

Remarks: * BHP @ (-8249') 11455' used for pressure calculations

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	COLEMAN PET.ENG.	JOE A. COLEMAN	JOE A. COLEMAN

NEW MEXICO
CONSERVATION COMMISSION
P. O. BOX 2088
SANTA FE, NEW MEXICO

RECEIVED
1973

GAS SUPPLEMENT NO. (NW)(SE) SF-3692 DATE 4-11-73

NOTICE OF WELL CONNECTION OR AUTHORITY TO ASSIGN ALLOWABLE

ALL VOLUMES EXPRESSED IN MCF

The operator of the following well has complied with all the requirements of the Oil Conservation Commission and may be assigned an allowable as shown below.

Date of Connection ____ Date of First Allowable or Allowable Change ____
Purchaser Llano, Inc. Pool Carlsbad Morrow, South
Operator Morris R. Antweil Lease Little Jewel Com
Well No. 1 Unit Letter F Sec. 31 Twp. 22S Rnge. 27E
Dedicated Acreage ____ Revised Acreage ____ Difference ____
Acreage Factor .97 Revised Acreage Factor ____ Difference ____
Deliverability ____ Revised Deliverability ____ Difference ____
A x D Factor ____ Revised A x D Factor ____ Difference ____

To Charge Redistribution ____ DIST. #

CALCULATION OF SUPPLEMENTAL ALLOWABLE

MONTH	% OF MO.	PREV. ALLOW	REV. ALLOW.	PREV. PROD.	REV. PROD.	REMARKS
JANUARY						
FEBRUARY						
MARCH						
APRIL						
MAY						
JUNE						
JULY						
AUGUST						
SEPTEMBER						
OCTOBER						
NOVEMBER						
DECEMBER						Redist. 544,052
TOTALS						
ALLOWABLE PRODUCTION DIFFERENCE - - - - - -				544,052+		
March SCHEDULE O/U STATUS - - - - - -				305,463-		
REVISED March O/U STATUS - - - - - -				238,590+		
EFFECTIVE IN May SCHEDULE - - - - -						
PREVIOUS PERIOD ADJUSTMENTS - - - - - - - -						CURRENT CLASSIFICATION N TO

NOTICE OF SHUT-IN

The following described well has been Shut-in for Failure of Compliance:

Purchaser ____ Pool ____ Date ____
Operator ____ Lease ____
Well No. ____ Unit Letter ____ Sec. ____ Twp. ____ Rnge. ____
Effective date of Shut-in ____ Reason for Shut-In ____

A. L. PORTER, Jr., Director
By ____

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

RECEIVED
MAY [illegible] 1973
O. C. D.
ARTESIA, [illegible]

GAS SUPPLEMENT NO. (NW) (SE) SF-3714 DATE 5-7-73

NOTICE OF WELL CONNECTION OR AUTHORITY TO ASSIGN ALLOWABLE
ALL VOLUMES EXPRESSED IN MCF

The operator of the following well has complied with all the requirements of the Oil Conservation Commission and may be assigned an allowable as shown below.

Date of Connection Date of First Allowable or Allowable Change
Purchaser Llano, Inc. Pool Carlsbad Morrow, South
Operator Morris R. Antweil Lease Little Jewel Com
Well No. 1 Unit Letter F Sec. 31 Twp. 22S Rge. 27E
Dedicated Acreage Revised Acreage Difference
Acreage Factor Revised Acreage Factor Difference
Deliverability Revised Deliverability Difference
A x D Factor Revised A x D Factor Difference

Allowable correction DIST. #

CALCULATION OF SUPPLEMENTAL ALLOWABLE

MONTH	% OF MO.	PREV. ALLOW	REV. ALLOW.	PREV. PROD.	REV. PROD.	REMARKS
JANUARY						
FEBRUARY						
MARCH						
APRIL						
MAY		211248	198445			-12803
JUNE						
JULY						
AUGUST						
SEPTEMBER						
OCTOBER						
NOVEMBER						
DECEMBER						
TOTALS						
ALLOWABLE PRODUCTION DIFFERENCE - - - - - -						
March SCHEDULE O/U STATUS - - - - - -						
REVISED March O/U STATUS - - - - - -						
EFFECTIVE IN June SCHEDULE - - - - -						
PREVIOUS PERIOD ADJUSTMENTS - - - - - - - -						CURRENT CLASSIFICATION N TO

NOTICE OF SHUT-IN

The following described well has been Shut-in for Failure of Compliance:

Purchaser Pool Date
Operator Lease
Well No. Unit Letter Sec. Twp. Rge.
Effective date of Shut-in Reason for Shut-In

A. L. PORTER, Jr., Director

By

RECEIVED

JUL 27 1973

O. C. C.
ARTESIA, OFFICE

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

GAS SUPPLEMENT NO. (NW) (SE) SF-3757 DATE 7-19-73

NOTICE OF WELL CONNECTION OR AUTHORITY TO ASSIGN ALLOWABLE

ALL VOLUMES EXPRESSED IN MCF

The operator of the following well has complied with all the requirements of the Oil Conservation Commission and may be assigned an allowable as shown below.

Date of Connection _____ Date of First Allowable or Allowable Change _____
Purchaser LLANO, INC. Pool CARLSBAD MORROW, SOUTH
Operator MORRIS R. ANTWEIL Lease LITTLE JEWEL COM
Well No. 1 Unit Letter F Sec. 31 Twp. 22S Rnge. 27E
Dedicated Acreage 310 Revised Acreage _____ Difference _____
Acreage Factor .97 Revised Acreage Factor _____ Difference _____
Deliverability _____ Revised Deliverability _____ Difference _____
A x D Factor _____ Revised A x D Factor _____ Difference _____

Reclassified N to M DIST. II

CALCULATION OF SUPPLEMENTAL ALLOWABLE

MONTH	% OF MO.	PREV. ALLOW	REV. ALLOW.	PREV. PROD.	REV. PROD.	REMARKS
JANUARY						
FEBRUARY						
MARCH						
APRIL						
MAY						
JUNE						
JULY			52636			Marginal allowable
AUGUST						
SEPTEMBER						184,065 Cancelled due to Reclass.
OCTOBER						
NOVEMBER						
DECEMBER						
TOTALS						
ALLOWABLE PRODUCTION DIFFERENCE - - - - - -				184,065-		
May SCHEDULE O/U STATUS - - - - - -				184,065+		
REVISED May O/U STATUS - - - - - -				-0-		
EFFECTIVE IN August SCHEDULE - - - - -						
PREVIOUS PERIOD ADJUSTMENTS - - - - - - -						CURRENT CLASSIFICATION N TO M

NOTICE OF SHUT-IN

The following described well has been Shut-in for Failure of Compliance:

Purchaser _____ Pool _____ Date _____
Operator _____ Lease _____
Well No. _____ Unit Letter _____ Sec. _____ Twp. _____ Rnge. _____
Effective date of Shut-in _____ Reason for Shut-In _____

A. L. PORTER, Jr., Director

By _____

RECEIVED

SEP 26 1973

O. C. C.
ARTESIA, OFFICE

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

GAS SUPPLEMENT NO. (NW) (SE) SE-3791 DATE 8-27-73

NOTICE OF WELL CONNECTION OR AUTHORITY TO ASSIGN ALLOWABLE

ALL VOLUMES EXPRESSED IN MCF

The operator of the following well has complied with all the requirements of the Oil Conservation Commission and may be assigned an allowable as shown below.

Date of Connection _____ Date of ~~First Allowable or~~ Allowable Change 4-11-73
Purchaser LLANO, INC. Pool CARLSBAD MORROW, SOUTH
Operator MORRIS R. ANTWEIL Lease LITTLE JEWEL
Well No. 1 Unit Letter "E" Sec. 31 Twp. 22S Rnge. 27E
Dedicated Acreage _____ Revised Acreage _____ Difference _____
Acreage Factor _____ Revised Acreage Factor _____ Difference _____
Deliverability _____ Revised Deliverability _____ Difference _____
A x D Factor _____ Revised A x D Factor _____ Difference _____

RECLASSIFIED M TO NM
TO REINSTATE NM ALLOWABLE

DIST. #

CALCULATION OF SUPPLEMENTAL ALLOWABLE

MONTH	% OF MO.	PREV. ALLOW	REV. ALLOW.	PREV. PROD.	REV. PROD.	REMARKS
JANUARY						
FEBRUARY						
MARCH						
APRIL		Marg.	77530	16732		
MAY			108006	65511		
JUNE			156437	75665		
JULY			136314	57729		
AUGUST			198446			
SEPTEMBER			203100			Operator proves well capable of making
OCTOBER						non-marginal allowable.
NOVEMBER						
DECEMBER						
TOTALS						
ALLOWABLE PRODUCTION DIFFERENCE - - - - - -				262650+		
July SCHEDULE O/U STATUS - - - - - -				-0-		
REVISED July O/U STATUS - - - - - -				262650+		
EFFECTIVE IN October SCHEDULE - - - - -						
PREVIOUS PERIOD ADJUSTMENTS - - - - - - - -						CURRENT CLASSIFICATION M TO N

NOTICE OF SHUT-IN

The following described well has been Shut-in for Failure of Compliance:

Purchaser _____ Pool _____ Date _____
Operator _____ Lease _____
Well No. _____ Unit Letter _____ Sec. _____ Twp. _____ Rnge. _____
Effective date of Shut-in _____ Reason for Shut-In _____

A. L. PORTER, Jr., *Director*

By J. E. Gasteina

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

GAS SUPPLEMENT NO. (NW)-(SE) SF-3876 DATE 12-3-73

NOTICE OF WELL CONNECTION OR AUTHORITY TO ASSIGN ALLOWABLE
ALL VOLUMES EXPRESSED IN MCF

The operator of the following well has complied with all the requirements of the Oil Conservation Commission and may be assigned an allowable as shown below.

Date of Connection _____ Date of First Allowable or Allowable Change _____
Purchaser Llano Inc. Pool Carlsbad Morrow, South
Operator Morris R. Antweil Lease Little Jewel Com.
Well No. 1 Unit Letter F Sec. 31 Twp. 22S Rnge. 27E
Dedicated Acreage _____ Revised Acreage _____ Difference _____
Acreage Factor .97 Revised Acreage Factor _____ Difference _____
Deliverability _____ Revised Deliverability _____ Difference _____
A x D Factor _____ Revised A x D Factor _____ Difference _____

DIST. #

CALCULATION OF SUPPLEMENTAL ALLOWABLE

MONTH	% OF MO.	PREV. ALLOW	REV. ALLOW.	PREV. PROD.	REV. PROD.	REMARKS
JANUARY						
FEBRUARY						
MARCH						
APRIL						
MAY						
JUNE						
JULY						
AUGUST						
SEPTEMBER						
OCTOBER						
NOVEMBER						
DECEMBER		247900	235691			
TOTALS						

ALLOWABLE PRODUCTION DIFFERENCE - - - - - -
Oct. SCHEDULE O/U STATUS - - - - - -
REVISED Oct. O/U STATUS - - - - - -
EFFECTIVE IN Jan. SCHEDULE - - - - -
PREVIOUS PERIOD ADJUSTMENTS - - - - - - - -

CURRENT CLASSIFICATION N TO

RECEIVED
JAN 2 1974
O. C. C.
ARTESIA, OFFICE

NOTICE OF SHUT-IN

The following described well has been Shut-in for Failure of Compliance:

Purchaser _____ Pool _____ Date _____
Operator _____ Lease _____
Well No. _____ Unit Letter _____ Sec. _____ Twp. _____ Rnge. _____
Effective date of Shut-in _____ Reason for Shut-In _____

A. L. PORTER, Jr., *Director*
By _____

OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO
P. O. DRAWER DD - ARTESIA
88210

DIRECTOR
JOE D. RAMEY

LAND COMMISSIONER
PHIL R. LUCERO

STATE GEOLOGIST
EMERY C. ARNOLD

October 16, 1975

Morris R. Antweil
P. O. Box 2010
Hobbs, N. M. 88240

Re: Delinquent Packer Leakage Report
Allen #1-J, 31-22-27
Little Jewel #1-F, 31-22-27
Eddy County, N. M.

Gentlemen:

To date, this office has not received the 1975 Packer Leakage Report as required by OCC Rule 112-A-6-C, on the above subject wells.

Please complete these tests and forward the results to this office at your earliest convenience.

Yours truly,

Leon Bergstrom
Oil & Gas Inspector

LB/ep

EL PASO NATURAL GAS COMPANY

DATE October 22, 19 76

RECEIVED

OCT 25 1976

O. C. C.
ARTESIA, OFFICE

ADVICE ON WELLS TIED INTO GAS GATHERING SYSTEMS

Name of Producer: Morris R.Antweil (0210)

Well Name and Number: Little Jewel Com. #1 (Morrow)

Location: 1980'N, 1900'W, Sec. 31, T-22-S, R-27-E, Eddy Co., NM

Pool Name: South Carlsbad Morrow

Producing Formation: Morrow

Top of Gas Pay: 11441

Oil or Gas Well: Gas

Gas Unit Allocation: 320 Acres - W 1/2

Date Tied Into Gathering Systems: October 6, 1976

Date of First Delivery: October 15, 1976

Gas Gathering System: Carlsbad Gathering System

Processed through Gasoline Plant (yes or no): No

Station Number: 61-715-01

Remarks: Well not produced when tied in due to awaiting on gas purchasing commitment

By: Francis R. Eldridge Dispatching

RECEIVED

OCT 18 1976

O. C. C.
ARTESIA, OFFICE

OIL CONSERVATION COMMISSION

P. O. DRAWER DD

ARTESIA, NEW MEXICO 88210

NOTICE OF GAS CONNECTION

Date October 15, 1976

This is to notify the Oil Conservation Commission that connection for the purchase of gas from the Morris R. Antweil
Operator

LIttle Jewel Com. #1 (Morrow), F, 31-22-27
Lease — Well & Unit — S.T.R.

South Carlsbad Morrow, El Paso Natural Gas Co.
Pool — Name of Purchaser

was made on October 6, 1976.

El Paso Natural Gas Co.
Purchaser

Representative

Gas Production Status Analyst
Title

TRE: bl
cc: To operator
Oil Conservation Commission - Santa Fe

H. P. Logan
T. J. Crutchfield
Proration
File

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TRANSPORTER GAS	2	
OPERATOR	1	
PRORATION OFFICE		

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

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

RECEIVED
OCT 14 1976
O. C. C.
ARTESIA, OFFICE

Operator
Morris R. Antweil

Address
Box 2010, Hobbs, New Mexico 88240

Reason(s) for filing *(Check proper box)*
New Well ☐
Recompletion ☐
Change in Ownership ☐
~~Change in~~ Additional Transporter of:
Oil ☐ Dry Gas ☒
Casinghead Gas ☐ Condensate ☐

Other *(Please explain)*
Effective 1 October, 1976
Split conn.

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

I. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Little Jewel Com.	1	South Carlsbad (Morrow)	State, Federal or Fee Fee	--

Location
Unit Letter F ; 1980 Feet From The North Line and 1900 Feet From The West

Line of Section 31 Township 22-S Range 27-E , NMPM, Eddy County

II. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☐ — Address *(Give address to which approved copy of this form is to be sent)*

Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒ — Address *(Give address to which approved copy of this form is to be sent)*
~~Sonat~~ 1320 Habbs New Mexico
El Paso Natural Gas Co. -50% — Box 1492, El Paso, Texas 79978

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
					~~No.~~ Yes	9-3c-71
					Yes	10-6-76

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

III. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Elevations *(DF, RKB, RT, GR, etc.)*	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Perforations			Depth Casing Shoe

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

V. TEST DATA AND REQUEST FOR ALLOWABLE

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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-Bbls.	Gas-MCF

GAS WELL

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

VI. CERTIFICATE OF COMPLIANCE

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

(Signature)
Agent
(Title)
12 October, 1976
(Date)

OIL CONSERVATION COMMISSION

APPROVED OCT 26 1976, 19__
BY W. A. Gressett
TITLE SUPERVISOR, DISTRICT II

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

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

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

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

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

OIL CONSERVATION COMMISSION
STATE OF NEW MEXICO
P. O. BOX 2088 - SANTA FE 87501

GAS
SUPPLEMENT
NUMBER ..... (XW) (SE) AR - 382

DATE 10-26-76

NOTICE OF ASSIGNMENT OF ALLOWABLE TO A GAS WELL

The operator of the following well has complied with all the requirements of the Oil Conservation Commission and the well is hereby assigned an allowable as shown below.

Date of Connection _____ Date of First Allowable or Allowable Change _____
Purchaser L I & EPG Pool South Carlsbad Morrow
Operator Morris R. Antweil Lease Little Jewel Com
Well No. 1 Unit Letter F Sec. 31 Twp. 22 Range 27
Dedicated Acreage 310 Revised Acreage _____ Difference _____
Acreage Factor .97 Revised Acreage Factor _____ Difference _____
Deliverability _____ Revised Deliverability _____ Difference _____
A x D Factor _____ Revised A x D Factor _____ Difference _____
Split Connection (M)
L I 9-30-71
EPG 10 -6-76
W. A. Gressett OCC District No. 2

CALCULATION OF SUPPLEMENTAL ALLOWABLE

MONTH	% OF MO.	PREV. ALLOW.	REV. ALLOW.	PREV. PROD.	REV. PROD.	REMARKS
January						
February						
March						
April						
May						
June						RECEIVED
July						
August						NOV 15 1976
September						
October						O. C. C. ARTESIA, OFFICE
November						
December						
TOTALS						

Previous Status Adjustments .....
Allowable Production Difference .....
Sept. Schedule O/U Status .....
Revised Sept. O/U Status .....

Effective In Dec. Schedule
Current Classification M To M

Note: All gas volumes are in MCF @ 15.025 psia.

JOE D. RAMEY, *Secretary – Director*

By J. Kastine

OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO
P. O. DRAWER DD - ARTESIA
88210

DIRECTOR
JOE D. RAMEY

LAND COMMISSIONER
PHIL R. LUCERO

STATE GEOLOGIST
EMERY C. ARNOLD

October 20, 1976

Morris R. Antweil
P.O. Box 2010
Hobbs, NM 88240

Re: Allen #1-J-31-22-27
Little Jewel Com.-
#1-F-31-22-27
Saik #1-B-17-22-27
Eddy County, NM

Gentlemen:

To date this office has not received the 1976 Packer Leakage Test Report on the subject wells.

Please submit same at your earliest convenience.

Sincerely yours,

W.A. Gressett

W.A. Gressett
Supervisor, District II

WAG:sm

Morris R. Antweil
OIL OPERATOR
P. O. BOX 2010
HOBBS, NEW MEXICO 88240

November 24, 1976

New Mexico Oil Conservation Commission
Drawer DD
Artesia, New Mexico 88210

RECEIVED
NOV 29 1976
O. C. C.
ARTESIA, OFFICE

ATTENTION: Mr. W. A. Gressett

REFERENCE: Package Leakage Tests
South Carlsbad Field

Gentlemen:

In response to your letter of 20 October 1976, package leakage tests were run on 3 November 1976, on the following wells:

Allen #1-J-31-22-27
Little Jewel #1-F-31-22-27
Saik #1-B-17-22-27

Enclosed are the report forms for the tests on the Allen and Saik wells. The test on the Little Jewel indicated the possibility of leakage in the Morrow zone tubing or packer assembly. As discussed with you by telephone, we attempted to set a blanking plug in the bottom of the packer assembly to evaluate the possible leakage. An apparent scale build-up prevented running the blanking plug. We are attempting to remove the scale with an acid soak and will try running the blanking plug again 24 November 1976, to evaluate the situation. We will determine the condition of the packer assembly and take the necessary remedial action; however, you can appreciate our concern not to have to kill the Morrow interval with water, if it can possibly be avoided. We will keep you advised and obtain the packer leakage test as soon as possible.

Yours very truly,

MORRIS R. ANTWEIL

R. M. Williams

R. M. Williams

RMW/crm

Enclosure

NO. OF COPIES RECEIVED	3	
DISTRIBUTION		
SANTA FE	1	
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U.S.G.S.		
LAND OFFICE		
OPERATOR	1	

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

NEW MEXICO OIL CONSERVATION COMMISSION

RECEIVED
FEB 1 1977
O. C. C.
ARTESIA, OFFICE

5a. Indicate Type of Lease
State ☐ Fee ☒

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

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

7. Unit Agreement Name
-----

1. OIL WELL ☐ GAS WELL ☒ OTHER-

8. Farm or Lease Name
Little Jewel

2. Name of Operator
Morris R. Antweil

9. Well No.
1

3. Address of Operator
Box 2010, Hobbs, NM 88240

10. Field and Pool, or Wildcat
~~Saik~~ Carlsbad

4. Location of Well
UNIT LETTER F, 1980 FEET FROM THE North LINE AND 1900 FEET FROM THE West LINE, SECTION 31 TOWNSHIP 22-S RANGE 27-E NMPM.

15. Elevation (Show whether DF, RT, GR, etc.)
3189' GR

12. County
Eddy

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☐	
OTHER Correct Packer-Leakage ☒		OTHER ☐	

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

TD 11,818' PBTD 11,786'. Morrow Perfs 11,441' -11,465'
Strawn Perfs. 10,362' - 10,440'. Dual Packer @ 11,390'
Pressure tests indicate leakage in Morrow tubing string,
tools or packer.

Attempted to set blanking, Plugs to isolate leakage but plugs
would not set due to scale. Prep to kill Strawn and Morrow
intervals and pull tubing strings to correct leakage.

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

SIGNED R M Williams TITLE Agent DATE 31 Jan., 1977

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE FEB 1 1977

CONDITIONS OF APPROVAL, IF ANY:

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LAND OFFICE		
OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

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

5a. Indicate Type of Lease: State ☐ Fee ☒

5. State Oil & Gas Lease No.: ----

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED
MAR 9 1977
O. C. C.
ARTESIA, OFFICE

1. OIL WELL ☐ GAS WELL ☒ OTHER-

7. Unit Agreement Name: ----

2. Name of Operator: Morris R. Antweil

8. Farm or Lease Name: Little Jewel Com.

3. Address of Operator: Box 2010, Hobbs, N.M. 88240

9. Well No.: 1

4. Location of Well: UNIT LETTER F, 1980 FEET FROM THE North LINE AND 1900 FEET FROM THE West LINE, SECTION 31 TOWNSHIP 22-S RANGE 27-E NMPM.

10. Field and Pool, or Wildcat: South Carlsbad

15. Elevation (*Show whether DF, RT, GR, etc.*): 3189' GR

12. County: Eddy

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☐	
OTHER ☐		OTHER Repair Packer-Leakage ☒	

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

TD 11,818' PBTD 11,786' Morrow perfs. 11,441'-11,465' & Strawn perfs. 10,362' - 10,440'. Dual packer @ 11,390'. Killed Morrow and Strawn zones w/Temblok- 50 gel. Pulled both strings of tbg. Found seals on tubing seal assembly damaged. Found scale in Morrow tbg. string. Re-ran Morrow tbg. and engaged packer @ 11,390'. Re-ran Strawn tbg. Swabbed off both intervals. Ran packer leakage test. Tested OK. Treated Morrow w/1500 gals acid and Strawn w/2000 gals acid. Swabbed back. Returned Morrow to pipeline. Continuing to clean-up Strawn.

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

SIGNED C M Williams TITLE Agent DATE 7 March, 1977

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE APR 1 1977

CONDITIONS OF APPROVAL, IF ANY:

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LAND OFFICE		
TRANSPORTER OIL		
TRANSPORTER GAS	2	
OPERATOR	/	
PRORATION OFFICE		

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

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

I.

Operator: **Reserve Oil, Inc.**

Address: **312 HBF Building, Midland, Texas 79701**

Reason(s) for filing *(Check proper box)*

New Well		Change in Transporter of:			
Recompletion		Oil		Dry Gas	
Change in Ownership	X	Casinghead Gas		Condensate	

Other *(Please explain)*: Change effective 11-1-77

If change of ownership give name and address of previous owner: **Morris R. Antweil, Box 2010, Hobbs, New Mexico 88240**

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Little Jewel Com.	**1**	**South Carlsbad (Morrow)**	State, Federal or Fee **Fee**	**--**

Location: Unit Letter **F**, **1980** Feet From The **North** Line and **1900** Feet From The **West**

Line of Section **31** Township **22-S** Range **27-E**, NMPM, **Eddy** County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil or Condensate	Address *(Give address to which approved copy of this form is to be sent)*
--	--
Name of Authorized Transporter of Casinghead Gas or Dry Gas X	Address *(Give address to which approved copy of this form is to be sent)*
Llano, Inc. - 50% **El Paso Natural Gas Company - 50%**	**Box 1320, Hobbs, New Mexico 88240** **Box 1492, El Paso, Texas 79978**

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
					Yes	**9-30-76**
					Yes	**10-6-76**

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

IV. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Resv.	Diff. Resv.

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Elevations *(DF, RKB, RT, GR, etc.)*	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Perforations			Depth Casing Shoe

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

V. TEST DATA AND REQUEST FOR ALLOWABLE

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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-Bbls.	Gas-MCF

GAS WELL

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

VI. CERTIFICATE OF COMPLIANCE

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

Clarence R. Chandler
(Signature)

District Engineer
(Title)

October 12, 1977
(Date)

OIL CONSERVATION COMMISSION

APPROVED **NOV 1 1977**, 19____

BY W. A. Gressett

TITLE SUPERVISOR, DISTRICT II

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

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

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

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

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

NO. OF COPIES RECEIVED	3	
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NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

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

RECEIVED
JUN 16 1978
O. C. C.
ARTESIA, OFFICE

I.

Operator: Delta Drilling Company

Address: P.O. Box 2113 Midland, Texas 79702

Reason(s) for filing (Check proper box)
- New Well [ ]
- Recompletion [ ]
- Change in Ownership [X]

Change in Transporter of:
- Oil [ ]
- Dry Gas [ ]
- Casinghead Gas [ ]
- Condensate [ ]

Other (Please explain): change effective 7/1/78

If change of ownership give name and address of previous owner: Reserve Oil, Inc. 312 HBF Building, Midland, Texas 79702

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Little Jewel Comm.	1	South Carlsbad (Morrow)	State, Federal or Fee Fee	

Location
Unit Letter F : 1980 Feet From The North Line and 1900 Feet From The West

Line of Section 31 Township 22-S Range 27-E , NMPM, Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil [ ] or Condensate [ ]	Address (Give address to which approved copy of this form is to be sent)
Name of Authorized Transporter of Casinghead Gas [ ] or Dry Gas [X] Llano, Inc. - 50% El Paso Natural Gas Company - 50%	Address (Give address to which approved copy of this form is to be sent) Box 1320, Hobbs, New Mexico 88240 Box 1492, El Paso, Texas 79978

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
					yes yes	9-30-71 10- 5-76

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

IV. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Resv.	Diff. Resv.

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Perforations			Depth Casing Shoe

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

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

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-Bbls.	Gas-MCF

GAS WELL

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

VI. CERTIFICATE OF COMPLIANCE

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

/Ron Brown
(Signature)

Field Project Manager
(Title)

6/15/78
(Date)

OIL CONSERVATION COMMISSION

APPROVED JUN 30 1978, 19

BY W. A. Gressett

TITLE SUPERVISOR, DISTRICT II

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

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

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

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

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

RECEIVED BY
AUG 16 1985
O. C. D.
ARTESIA, OFFICE

NEW MEXICO

OIL CONSERVATION DIVISION

P. O. DRAWER DD

ARTESIA, NEW MEXICO

88210

DATE August 15, 1985

NOTICE OF LLANO'S GAS DISCONNECTION:

OPERATOR: Baruch-Foster Corporation ✓

LEASE: Little Jewel Com.

WELL NUMBER AND UNIT: 1 F

LOCATION: 31-22-27

POOL: Carlsbad Morrow South

DATE WELL DISCONNECTED: August 13, 1985

LLANO'S STATION NUMBER: 33

LLANO, INC.
TRANSPORTER

Doyle T. Forrester
REPRESENTATIVE

DOYLE T. FORRESTER

xc: Oil Conservation Division, Box 2088, Santa Fe, New Mexico 87501

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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TRANSPORTER OIL	✓	
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OIL CONSERVATION DIVISION

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

Form C-104
Revised 10-1-70

RECEIVED BY
OCT 04 1983
O. C. D.
ARTESIA, OFFICE

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I.

Operator
Baruch-Foster Corporation

Address
1160 One Energy Square/4925 Greenville Avenue/Dallas, Texas 75206

Reason(s) for filing (Check proper box)

New Well	☐	Change in Transporter of:			
Recompletion	☐	Oil	☐	Dry Gas	☐
Change in Ownership	☒	Casinghead Gas	☐	Condensate	☐

Other (Please explain)

If change of ownership give name and address of previous owner Delta Drilling Company/3100-C North "A"/Midland, Texas 79701

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Little Jewell Com	1	Carlsbad Morrow, South (Gas)	State, Federal or Fee Fee	-

Location
Unit Letter F ; 1980 Feet From The North Line and 1900 Feet From The West

Line of Section 31 Township 22S Range 27E , NMPM, Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☒	Address (Give address to which approved copy of this form is to be sent)
The Permian Corporation Permian 9/1/83	Box 1183/Houston, Texas 77001
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒	Address (Give address to which approved copy of this form is to be sent)
ElPaso Natural Gas Company	Box 1492/ElPaso, Texas 79978

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	F	31	22S	27E	Yes	October, 1971

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

IV. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Restv.	Diff. Res.

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.

Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth

Perforations	Depth Casing Shoe

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

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

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-Bbls.**	**Gas-MCF**

GAS WELL

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

VI. CERTIFICATE OF COMPLIANCE

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

(Signature) W. J. Newman
Senior Vice-President - Production
(Title)
September 26, 1983
(Date)

OIL CONSERVATION DIVISION

APPROVED OCT 5 1983, 19

Original Signed By
BY Leslie A. Clements
Supervisor District II
TITLE

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

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

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

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

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

BFC

Baruch-Foster Corporation

1160 ONE ENERGY SQUARE
4925 GREENVILLE AVENUE
DALLAS, TEXAS 75206
214/368-5886

RECEIVED BY
JUL 21 1987
O. C. D.
ARTESIA, OFFICE

July 15, 1987

El Paso Natural Gas Company
P.O. Box 1492
El Paso, Texas 79978

Att: Mr. Guinn Beadle

Re: Production Test for Gas Commingling (Morrow, Strawn)
Little Jewel No. 1
Section 31, T22S, R27E
Eddy County, New Mexico
Meter Station No. 61-721

Gentlemen:

During June, 1987, Production tests indicated that the Morrow Zone contributed most of the production with the Strawn Zone producing intermittantly. Our best estimate based on these tests is that the production split should be 95% Morrow, 5% Strawn. Please use this split to report production from this well beginning in June.

Thank you.

Yours very truly,

BARUCH-FOSTER CORPORATION

J.F. Ellebracht
Vice President of Production

JFE/tsm

cc: State of New Mexico
Energy and Minerals Department
Oil and Conservation Division
P.O. Drawer DD
Artesia, NM 88210

Sue Fairley
Kirk Morgan, Sr.

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

RECEIVED

MAR 20 '89

O. C. D.
ARTESIA, OFFICE

GARREY CARRUTHERS
GOVERNOR

March 17, 1989

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

M. Y. (Merch) Merchant
President
Unique Oil & Gas Consultants
P. O. Box 5970
Hobbs, New Mexico 88241

Re: Request for Extension of Hardship Classification
Order No. 8482, Case No. 9104 - Little Jewel
Com No. 1-F-31-22S-27E, South Carlsbad Morrow
Gas Pool

Dear Mr. Merchant:

Upon your representation that the conditions which justified the hardship classification in the above-referenced case still continue, the hardship classification is hereby continued in effect until May 31, 1990.

It is noted that the well is now overproduced within permissible limits. You are hereby notified that at such time the well becomes overproduced more than is permissible under Order R-8170, as amended, it will be necessary for you to curtail your production from the well to 350 MCF/D until you are within a permissible overproduced status.

Yours very truly,

V. T. LYON,
Deputy Director

VTL/dr

cc: El Paso Natural Gas Co.
Mike Williams
Catherine Meyer

Submit 5 Copies
Appropriate District Office
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

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

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

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

Form C-104
Revised 1-1-89
See Instructions
at Bottom of Page

RECEIVED
SEP 13 1991
O. C. D.
ARTESIA, OFFICE

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I.

Operator: Hadson Petroleum (USA), Inc.

Well API No.: 30-015-20368

Address: P.O. Box 26770, Oklahoma City, OK 73126

Reason(s) for Filing (Check proper box)

- New Well [ ]
- Recompletion [ ]
- Change in Operator [X]
- Other (Please explain) [ ]

Change in Transporter of:
Oil [ ] Dry Gas [ ]
Casinghead Gas [ ] Condensate [ ]

If change of operator give name and address of previous operator: Baruch-Foster Corporation, P.O. Box 26770, Oklahoma City, OK 73126

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease State, Federal or Fee	Lease No.
Little Jewel Com	1	South Carlsbad (Morrow)	Fee	

Location
Unit Letter F : 1980 Feet From The North Line and 1900 Feet From The West Line

Section 31 Township 22 32S Range 27E , NMPM, Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil [ ] or Condensate [ ]	Address (Give address to which approved copy of this form is to be sent)
Name of Authorized Transporter of Casinghead Gas [ ] or Dry Gas [XX]	Address (Give address to which approved copy of this form is to be sent)
Llano, Inc. - 25% El Paso Natural Gas Co. - 75%	P.O. Box 1320, Hobbs, N.M. 88240 P.O. Box 1492, El Paso, TX 79978

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When ?
					Yes Yes	9/30/71 10/5/76

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

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Perforations			Depth Casing Shoe

TUBING, CASING AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL *(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)*

Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
			Posted ID-3
Length of Test	Tubing Pressure	Casing Pressure	Choke Size 7-28-92
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas- MCF Orig OP

GAS WELL

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

VI. OPERATOR CERTIFICATE OF COMPLIANCE

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

Signature: Stephen C. Zamets
Stephen C. Zamets — Engineering Manager
Printed Name — Title
September 9, 1991 — (405) 235-9531
Date — Telephone No.

OIL CONSERVATION DIVISION

Date Approved: JUL 20 1992

By: ORIGINAL SIGNED BY MIKE WILLIAMS

Title: SUPERVISOR, DISTRICT II

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
2) All sections of this form must be filled out for allowable on new and recompleted wells.
3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
4) Separate Form C-104 must be filed for each pool in multiply completed wells.

Submit 5 Copies
Appropriate District Office
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

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

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

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

Form C-104
Revised 1-1-89
See Instructions at Bottom of Page

C/SF
GT-2

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I.

Operator: Hadson Energy Resources Corporation

Well API No.: 30-015-20365

Address: P.O. Box 5956, Oklahoma City, OK 73125-0956

Reason(s) for Filing (Check proper box)

New Well [ ]
Recompletion [ ]
Change in Operator [X]

Change in Transporter of: [ ]
Oil [ ] Dry Gas [ ]
Casinghead Gas [ ] Condensate [ ]

Other (Please explain) [ ]

If change of operator give name and address of previous operator: Hadson Petroleum (USA), Inc., P.O. Box 26770, Oklahoma City, OK 73126

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease (State, Federal or Fee)	Lease No.
Little Jewel Com.	1	South Carlsbad (Morrow)	Fee	

Location

Unit Letter F : 1980 Feet From The North Line and 1900 Feet From The West Line

Section 31 Township ~~32S~~ 32S Range 27E , NMPM, Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil [ ] or Condensate [ ] — Address (Give address to which approved copy of this form is to be sent)

Name of Authorized Transporter of Casinghead Gas [ ] or Dry Gas [X] — Address (Give address to which approved copy of this form is to be sent)
Llano, Inc. - 25%
El Paso Natural Gas Co. - 75%
P.O. Box 1320, Hobbs, NM 88240
P.O. Box 1492, El Paso, TX 79978

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When ?
					Yes	9/30/71
						10/05/76

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

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.

Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth

Perforations	Depth Casing Shoe

TUBING, CASING AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
			Part ID-3 4-16-93 chg op name

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL *(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)*

Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	

Length of Test	Tubing Pressure	Casing Pressure	Choke Size

Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas- MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate

Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR CERTIFICATE OF COMPLIANCE

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

Bruce E. Hankins
Signature

Bruce E. Hankins — Engineering Technician
Printed Name — Title

04/06/93 — (405)232-2212
Date — Telephone No.

OIL CONSERVATION DIVISION

Date Approved APR 12 1993

By _____

Title _____

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
2) All sections of this form must be filled out for allowable on new and recompleted wells.
3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
4) Separate Form C-104 must be filed for each pool in multiply completed wells.

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

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

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

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

State of New Mexico
Energy, Minerals and Natural Resources Department

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

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

☐ AMENDED REPORT

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

Operator Name and Address	2 OGRID Number
APACHE ENERGY RESOURCES CORP. 200 POST OAK BLVD., SUITE 100 HOUSTON, TX 77056-4400	9761
	3 Reason for Filing Code: NW 7-1-95

4 API Number	5 Pool Name	6 Pool Code
30-015-20368	Carlsbad MORROW, SOUTH (PRORATED GAS)	73960
7 Property Code	**8 Property Name**	**9 Well No.**
004862	LITTLE JEWEL COM	1

10 Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
F	31	22S	27E		1980	North	1900	West	EDDY

11 Bottom Hole Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County

12 Lse Code	13 Producing Method Code	14 Gas Connection Date	15 C-129 Permit Number	16 C-129 Effective Date	17 C-129 Expiration Date
F					

III. Oil and Gas Transporters

18 Transporter OGRID	19 Transporter Name and Address	20 POD	21 O/G	22 POD ULSTR Location and Description
007057	EL PASO NATURAL GAS CO. BOX 1492 EL PASO, TX 79978	1045830	G	
007057	EL PASO NATURAL GAS CO BOX 1492 EL PASO, TX 79978	2804611	O	

RECEIVED
JUL 06 1995
OIL CON. DIV.
DIST. 2

IV. Produced Water

23 POD	24 POD ULSTR Location and Description
2804612	

V. Well Completion Data

25 Spud Date	26 Ready Date	27 Total Depth	28 PBTD	29 Perforations

30 HOLE SIZE	31 CASING & TUBING SIZE	32 DEPTH SET	33 SACKS CEMENT
			Pot ID-3 7-28-95 okay

VI. Well Test Data

34 Date New Oil	35 Gas Delivery Date	36 Date of Test	37 Length of Test	38 Tubing Pressure	39 Casing Pressure
40 Choke Size	**41 Oil - Bbls.**	**42 Water - Bbls.**	**43 Gas - MCF**	**44 AOF**	**45 Test Method**

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

Signature: Pamela M. Leighton

Printed Name: PAMELA M. LEIGHTON

Title: CLERK

Date: Telephone: (713)296-7120

OIL CONSERVATION DIVISION

Approved By: SUPERVISOR, DISTRICT II

Title: SUPERVISOR, DISTRICT II

Approval Date: JUL 24 1995

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

9761 HADSON ENERGY RESOURCES CORP PAMELA M. LEIGHTON CLERK 7/3/95

Previous Operator Signature: Pamela M. Leighton — Printed Name — Title — Date

DeSoto/Nichols 10/94 ver 2.0

P. O. Box 1980, Hobbs, NM 88241-1980
DISTRICT II
P. O. Box Drawer DD, Artesia, NM 88211-0719
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
DISTRICT IV
P. O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Departme

OIL CONSERVATION DIVISION

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

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

☐ AMENDED REPORT

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

Operator Name and Address	OGRID Number
APACHE ENERGY RESOURCES CORP. 2000 POST OAK BLVD., SUITE 100 HOUSTON, TX 77056-4400	9761
	Reason for Filing Code: CO-EFF. 7/1/95

API Number	Pool Name	Pool Code
3001520368	MORROW, SOUTH (PRORATED GAS)	73960

Property Code	Property Name	Well No.
004862	LITTLE JEWEL COM	1

Surface Location

UL or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
F	31	22S	27E		1980	North	1900	West	EDDY

Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County

Lse Code	Producing Method Code	Gas Connection Date	C-129 Permit Number	C-129 Effective Date	C-129 Expiration Date
F					

Oil and Gas Transporters

Transporter OGRID	Transporter Name and Address	POD	O/G	POD ULSTR Location and Description
020445	SCURLOCK PERMIAN CORP. P.O. BOX 4648 HOUSTON, TX 77210	2804611	O	
007057	EL PASO NATURAL GAS CO. BOX 1492 EL PASO, TX 79978	~~2804611~~ 10458.30	G	

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AUG 24 1995
OIL CON. DIV.

Produced Water

POD	POD ULSTR Location and Description

Well Completion Data

Spud Date	Ready Date	Total Depth	PBTD	Perforations

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

Well Test Data

Date New Oil	Gas Delivery Date	Date of Test	Length of Test	Tubing Pressure	Casing Pressure

Choke Size	Oil - Bbls.	Water - Bbls.	Gas - MCF	AOF	Test Method

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

Signature: Pamela M. Leighton
Printed Name: PAMELA M. LEIGHTON
Title: CLERK
Date: 8/23/95 Telephone: (713)296-7120

OIL CONSERVATION DIVISION

Approved By: ORIGINAL SIGNED BY TIM W. GUM
DISTRICT II SUPERVISOR
Title:
Approval Date: AUG 15 1995

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

Previous Operator Signature | Printed Name | Title | Date

DeSoto/Nichols 10/94 ver 2.0

P. O. Box 1980, Hobbs, NM 88241-1980
DISTRICT II
P. O. Box Drawer DD, Artesia, NM 88211-0719
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
DISTRICT IV
P. O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

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

Form C-104
Revised February 10,1994
Instructions on back
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☐ AMENDED REPORT

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

1 Operator Name and Address	2 OGRID Number
Apache Corporation 2000 Post Oak Blvd - Ste 100 Houston, TX 77056-4400	~~9761~~ 873
	3 Reason for Filing Code: CH 11/1/95

4 API Number	5 Pool Name	6 Pool Code
30-015-20368	Morrow, South (Prorated Gas)	73960
7 Property Code	**8 Property Name**	**9 Well No.**
~~004862~~ 18293	Little Jewel Com	1

10 Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
F	31	22S	27E		1980	North	1900	West	Eddy

11 Bottom Hole Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County

12 Lse Code	13 Producing Method Code	14 Gas Connection Date	15 C-129 Permit Number	16 C-129 Effective Date	17 C-129 Expiration Date
F					

III. Oil and Gas Transporters

18 Transporter OGRID	19 Transporter Name and Address	20 POD	21 O/G	22 POD ULSTR Location and Description
020445	Scurlock Permian Corp P. O. Box 4648 Houston, TX 77210	2804611	O	
007057	El Paso Natural Gas Co P. O. Box 1492 El Paso, TX 79978	1045830	G	

IV. Produced Water

23 POD	24 POD ULSTR Location and Description
2804612	

V. Well Completion Data

25 Spud Date	26 Ready Date	27 Total Depth	28 PBTD	29 Perforations

30 HOLE SIZE	31 CASING & TUBING SIZE	32 DEPTH SET	33 SACKS CEMENT
			Post ID-3 2-8-96 abg

VI. Well Test Data

34 Date New Oil	35 Gas Delivery Date	36 Date of Test	37 Length of Test	38 Tubing Pressure	39 Casing Pressure

40 Choke Size	41 Oil - Bbls.	42 Water - Bbls.	43 Gas - MCF	44 AOF	45 Test Method

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

Signature: Julia T North
Printed Name: Julia T North
Title: Sr Regulatory Analyst
Date: 1/9/96 Telephone: 713/296-7122

OIL CONSERVATION DIVISION

Approved By: _____
Title: SUPERVISOR, DISTRICT II
Approval Date: JAN 18 1996

47 If this is a change of operator fill in the OGRID number and name of the previous operator
Apache Energy Resources Corp #9761
Previous Operator Signature: Julia T North Printed Name: Julia T North Title: Sr Regulatory Analyst Date: 1/9/96

DeSoto/Nichols 10/94 ver 2.0

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-104
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
5 Copies

[X] AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] Operator name and Address	[2] OGRID Number
Apache Corporation 2000 Post Oak Blvd - Ste 100 Houston, TX 77056-4400	0873
	[3] Reason for Filing Code: Correction CH eff date: 1/1/96

[4] API Number	[5] Pool Name	[6] Pool Code
30 - 015-20368	Carlsbad, Strawn, South	74120
[7] Property Code	**[8] Property Name**	**[9] Well Number**
18293	Little Jewel Com	001

II. [10] Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
F	31	22S	27E		1980	N	1900	W	Eddy

[11] Bottom Hole Location

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

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] POD	[21] O/G	[22] POD ULSTR Location and Description
020445	Scurlock Permian Corp PO Box 4648 Houston, TX 77210	2804611	O	
007057	El Paso Natural Gas Co PO Box 1492 El Paso, TX 79978	1045830	G	

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OCT - 7 1996
OIL CON. DIV.
DIST. 2

IV. Produced Water

[23] POD	[24] POD ULSTR Location and Description
2804612	

V. Well Completion Data

[25] Spud Date	[26] Ready Date	[27] TD	[28] PBTD	[29] Perforations	[30] DHC, DC,MC

[31] Hole Size	[32] Casing & Tubing Size	[33] Depth Set	[34] Sacks Cement

VI. Well Test Data

[35] Date New Oil	[36] Gas Delivery Date	[37] Test Date	[38] Test Length	[39] Tbg. Pressure	[40] Csg. Pressure
[41] Choke Size	**[42] Oil**	**[43] Water**	**[44] Gas**	**[45] AOF**	**[46] Test Method**

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

Signature: Julia North
Printed name: Julia North
Title: Sr Production Analyst
Date: 10/1/96 Phone: 713-296-7122

OIL CONSERVATION DIVISION
Approved by: SUPERVISOR, DISTRICT II
Title:
Approval Date: OCT 18 1996

[47] If this is a change of operator fill in the OGRID number and name of the previous operator
Apache Energy Resources Corp #9761

Previous Operator Signature	Printed Name	Title	Date
Julia North	Julia North	Sr Production Analyst	10/1/96

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-104
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] Operator name and Address	[2] OGRID Number
Bristol Resources Corporation 6655 S. Lewis - Ste 200 Tulsa, OK 74136	002894
	[3] Reason for Filing Code CH - Effective 1/1/97

[4] API Number	[5] Pool Name	[6] Pool Code
30 - 0 15-20368	Carlsbad Strawn, South	74120
[7] Property Code	[8] Property Name	[9] Well Number
~~18293~~ 20257	Little Jewel Com	001

II. [10] Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
F	31	22S	27E		1980	North	1900	West	Eddy

[11] Bottom Hole Location

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

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date
P					

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] POD	[21] O/G	[22] POD ULSTR Location and Description
020445	Scurlock Permian Corp. PO Box 4648 Houston, TX 77210	2804611	O	
007057	El Paso Natural Gas Co PO Box 1492 El Paso, TX 79978	1045830	G	

IV. Produced Water

[23] POD	[24] POD ULSTR Location and Description
2804612	

V. Well Completion Data

[25] Spud Date	[26] Ready Date	[27] TD	[28] PBTD	[29] Perforations	[30] DHC, DC,MC

[31] Hole Size	[32] Casing & Tubing Size	[33] Depth Set	[34] Sacks Cement
			Post ID-3
			1-31-97
			chg op

VI. Well Test Data

[35] Date New Oil	[36] Gas Delivery Date	[37] Test Date	[38] Test Length	[39] Tbg. Pressure	[40] Csg. Pressure

[41] Choke Size	[42] Oil	[43] Water	[44] Gas	[45] AOF	[46] Test Method

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

Signature: Lori Livingston

Printed name: Lori Livingston

Title: Production Supervisor

Date: 12/20/96 Phone: 918-492-7900

OIL CONSERVATION DIVISION

Approved by: SUPERVISOR, DISTRICT II

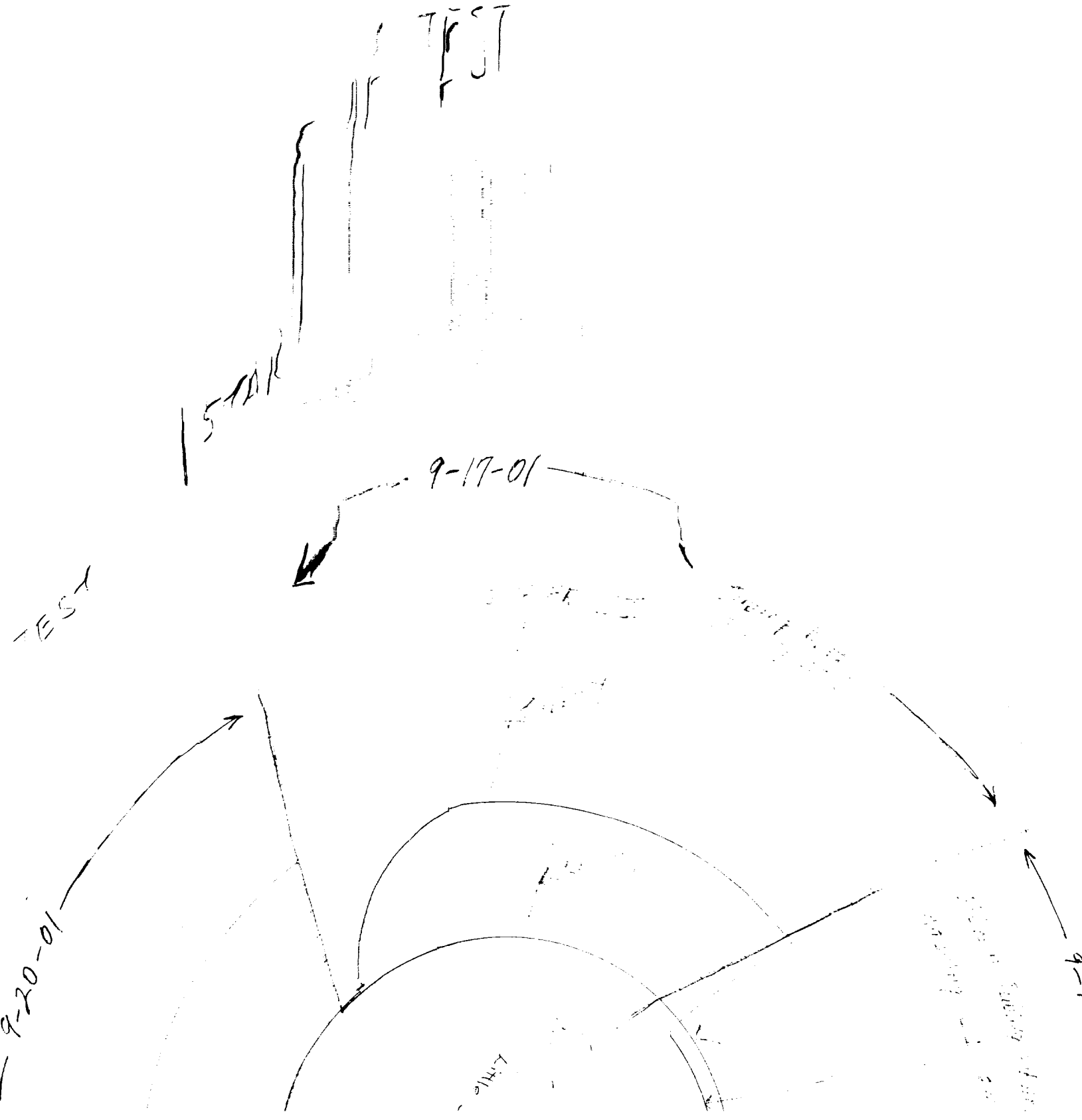
Title:

Approval Date: JAN 27 1997

[48] If this is a change of operator fill in the OGRID number and name of the previous operator

#000873 Apache Corporation

Previous Operator Signature	Printed Name	Title	Date
Julia North	Julia North	Sr Regulatory Analyst	12/20/96


9-17-01
9-20-01


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OCD - ARTESIA

Submit 3 Copies to Appropriate Dist. Office

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

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

State of New Mexico
Energy, Minerals and Natural Resources Department

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

Revised 1-1-89

INSTRUCTIONS ON REVERSE SIDE

This form is not to be used for reporting packer leakage tests in Northwest New Mexico

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator			Lease		Well No.
Chaparral Energy, Inc.			Little Jewel Com		1
Location of Well	Unit	Sec.	Twp	Rge	County
	F	31	22S	27E	Eddy

	Name of Reservoir or Pool	Type of Prod. (Oil or Gas)	Method of Prod. Flow, Art Lift	Prod. Medium (Tbg. or Csg)	Choke Size
Upper Compl	S. Carlsbad Strawn	Gas	Flow	Csg	
Lower Compl	S. Carlsbad Morrow	Gas	Flow	Tubing	

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 7:00 am, 09/17/01

Well opened at (hour, date): 7:00 am, 09/18/01

	Upper Completion	Lower Completion
Indicate by (X) the zone producing		X
Pressure at beginning of test	52	35
Stabilized? (Yes or No)	No	Yes
Maximum pressure during test	55	35
Minimum pressure during test	52	34
Pressure at conclusion of test	55	34
Pressure change during test (Maximum minus Minimum)	3	1
Was pressure change an increase or a decrease?	Increase	Decrease

Well closed at (hour, date): 7:00 am, 09/19/01 Total Time On Production 24 hours

Oil Production During Test: 0 bbls; Grav. _____ Gas Production During Test 14 MCF; GOR _____

Remarks _____

FLOW TEST NO. 2

Well opened at (hour, date): 7:00 am, 09/20/01

	Upper Completion	Lower Completion
Indicate by (X) the zone producing	X	
Pressure at beginning of test	55	198
Stabilized? (Yes or No)	Yes	No
Maximum pressure during test	55	201
Minimum pressure during test	52	198
Pressure at conclusion of test	52	198
Pressure change during test (Maximum minus Minimum)	3	3
Was pressure change an increase or a decrease?	Decrease	Increase

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Well closed at (hour, date) 7:00 am, 09/21/01 Total time on Production 24 hours

Oil production During Test: 0 bbls; Grav. _____; Gas Production During Test 200 MCF; GOR _____

Remarks _____

OPERATOR CERTIFICATE OF COMPLIANCE

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

Chaparral Energy, Inc.
Operator

Ralph W. Everett
Signature

Ralph W. Everett - Operations Engineer
Printed Name Title

10/24/01 (405) 478-8770
Date Telephone No.

OIL CONSERVATION DIVISION

Date Approved 10/16/01

By _____

Title _____

INSTRUCTIONS FOR SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

1. A packer leakage test shall be commenced on each multiply completed well within seven days after actual completion of the well, and annually thereafter as prescribed by the order authorizing the multiple completion. Such test shall also be commenced on all multiple completions within seven days following recompletion and/or chemical or fracture treatment, and whenever remedial work has been done on a well during which the packer or the tubing have been disturbed. Tests shall also be taken at any time that communication is suspected or when requested by the Division.

2. At least 72 hours prior to the commencement of any packer leakage test, the operator shall notify the Division in writing of the exact time the test is to be commenced. Offset operators shall also be so notified.

3 The packer leakage test shall commence when both zones of the dual completion are shut-in for pressure stabilization. Both zones shall remain shut-in until the well-head pressure in each has stabilized and for minimum of two hours thereafter, provided, however, that they need not remain shut-in more than 24 hours.

4. For Flow Test No. 1, one zone of the dual completion shall be produced at the normal rate of production while the other zone remains shut-in. Such test shall be continued until the flowing wellhead pressure has become stabilized and for minimum of two hours thereafter, provided however, that the flow test need not continue for more than 24 hours.

5. Following completion of Flow Test No. 1, the well shall again be shut-in, in accordance with Paragraph 3 above.

6. Flow Test No. 2 shall be conducted even though no leak was indicated during Flow Test No. 1. Procedure for Flow Test No. 2 is to be the same as for Flow Test No. 1 except that the previously produced zone shall remain shut-in while the previously shut-in zone is produced.

7. All pressures, throughout the entire test, shall be continuously measured and recorded with recording pressure gauges, the accuracy of which must be checked with deadweight tester at least twice, once at the beginning and once at the end, of each flow test.

8. The results of the above-described tests shall be filed in triplicate within 15 days after completion of the test. Tests shall be filed with the appropriate District Office of the New Mexico Oil Conservation Division on Southeast New Mexico Packer Leakage Test Form Revised 1-1-89, together with the original pressure recording gauge charts with all the deadweight pressures which were taken indicated thereon. In lieu of filing the aforesaid charts, the operator may construct a pressure versus time curve from each zone of each test, indicating thereon all pressure changes which may be reflected by the gauge charts as well as all deadweight pressure readings which were taken. If the pressure curve is submitted, the original chart must be permanently filed in the operator's office. Form C-116 shall also accompany the Packer Leakage Test Form when the test period coincides with a gas-oil ratio test period.

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-104B
March 19, 2001

Submit 1 copy of the final affected wells list along with 1 copy of this form per number of wells on that list to appropriate District Office

Change of Operator Name

OGRID: 004115
Effective Date: 07/26/02

Previous Operator Name and Information:

Name: **Chaparral Energy, Inc.**
Address: **701 Cedar Lake Blvd.**
Address:
City, State, Zip: **Oklahoma City, OK 73114**

New Operator Name and Information:

New Name: **Chaparral Energy, L.L.C.**
Address: **701 Cedar Lake Blvd.**
Address:
City, State, Zip: **Oklahoma City, OK 73114**

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given on this form and the attached list of wells is true and complete to the best of my knowledge and belief.

Signature: James M. Miller

Printed name: **James M. Miller**

Title: **Operations Manager**

Date: 09/16/02 Phone: (405) 478-8770

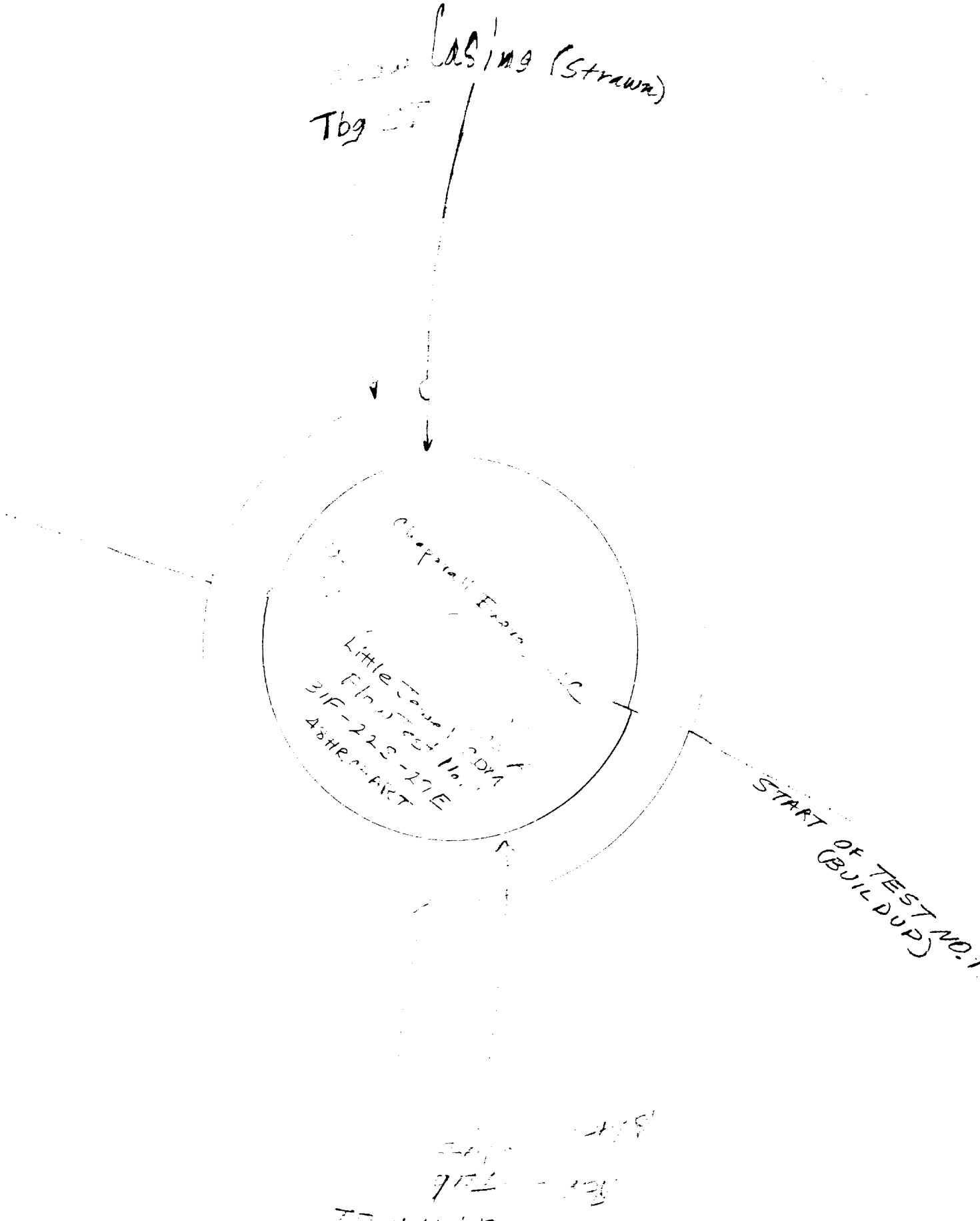
NMOCD Approval

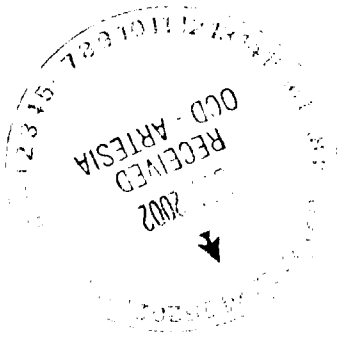
Signature: Jim W. Gum

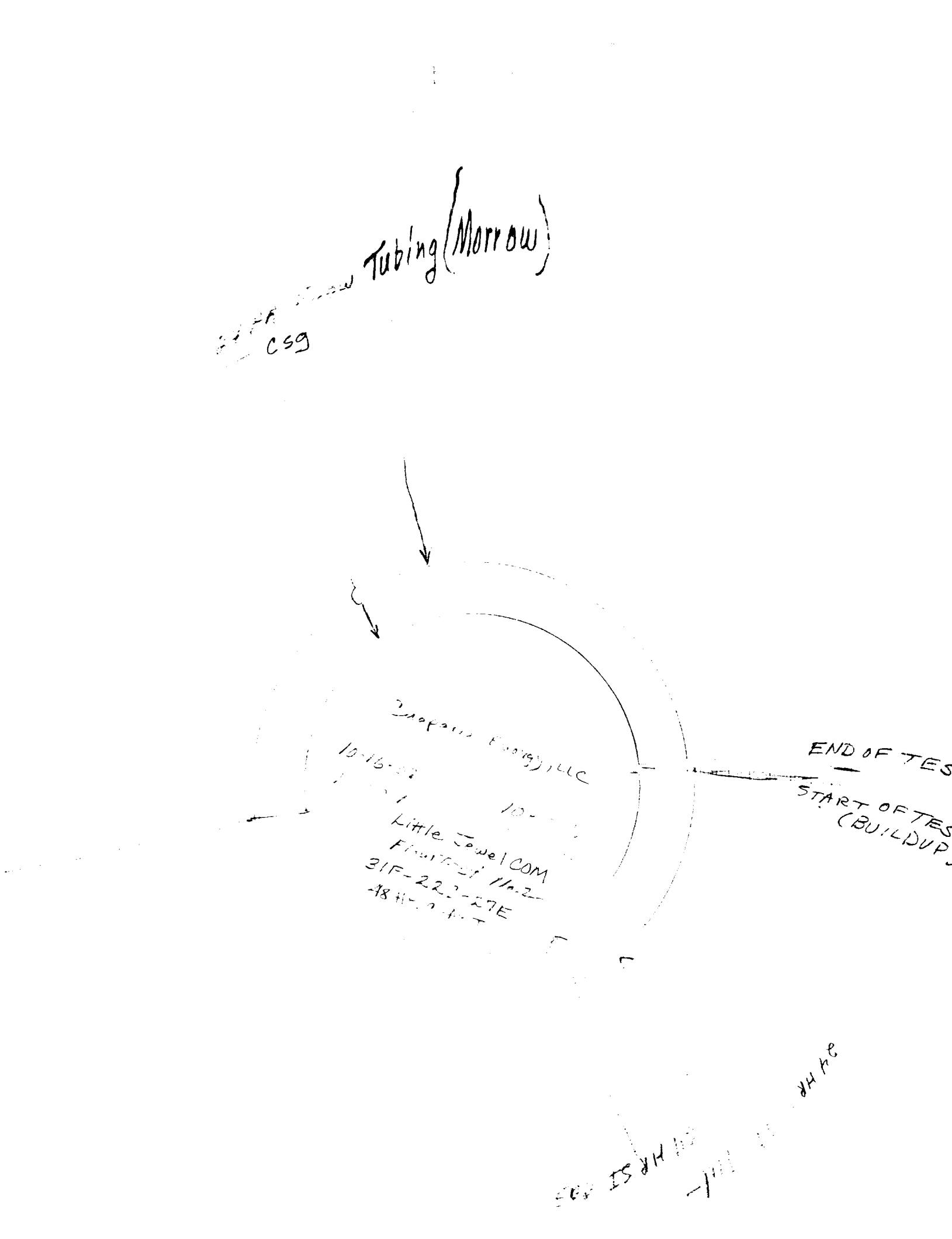
Printed Name: District Supervisor

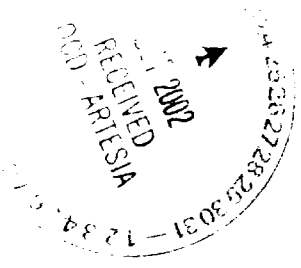
District:

Date: SEP 20 2002


Casing (Strawn)
Tbg
START OF TEST NO. 1
(BUILDUP)


RECEIVED
OCD - ARTESIA
2002


Tubing (Morrow)
CSG
END OF TES
START OF TES
(BUILDUP
Little Towel COM
31F-22
3 HR


2002
RECEIVED
OCD - ARTESIA

Submit 3 Copies to Appropriate Dist. Office

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

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

State of New Mexico
Energy, Minerals and Natural Resources Dep[illegible]

OIL CONSERVATION DIVISION

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

Revised 1-1-89

INSTRUCTIONS ON REVERSE SIDE

This form is not to be used for reporting packer leakage tests in Northwest New Mexico

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator			Lease		Well No.
Chaparral Energy, LLC			Little Jewel Com		1
Location of Well	Unit	Sec.	Twp	Rge	County
	F	31	22S	27E	Eddy

	Name of Reservoir or Pool	Type of Prod. (Oil or Gas)	Method of Prod. Flow, Art Lift	Prod. Medium (Tbg. or Csg)	Choke Size
Upper Compl	S. Carlsbad Strawn	Gas	Flow	Csg	
Lower Compl	S. Carlsbad Morrow	Gas	Flow	Tbg	

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 11:00 am, 10/14/02

Well opened at (hour, date): 11:00 am, 10/15/02

	Upper Completion	Lower Completion
Indicate by (X) the zone producing	X	
Pressure at beginning of test	15	800
Stabilized? (Yes or No)	yes	No
Maximum pressure during test	15	825
Minimum pressure during test	10	800
Pressure at conclusion of test	10	825
Pressure change during test (Maximum minus Minimum)	5	25
Was pressure change an increase or a decrease?	Decrease	Increase

Well closed at (hour, date): 11:00 am, 10/16/02 Total Time On Production 24 hours

Oil Production During Test: 0 bbls; Grav. _____ Gas Production During Test 198 MCF; GOR _____

Remarks _____

FLOW TEST NO. 2

Well opened at (hour, date): 11:00 am, 10/17/02

	Upper Completion	Lower Completion
Indicate by (X) the zone producing		X
Pressure at beginning of test	17	800
Stabilized? (Yes or No)	yes	yes
Maximum pressure during test	17	800
Minimum pressure during test	17	750
Pressure at conclusion of test	17	750
Pressure change during test (Maximum minus Minimum)	-0-	50
Was pressure change an increase or a decrease?	Neither	Decrease

Well closed at (hour, date) 11:00 am, 10/18/02 Total time on Production 24 hours

Oil production During Test: _____ bbls; Grav. _____; Gas Production During Test 395 MCF; GOR _____

Remarks _____

OPERATOR CERTIFICATE OF COMPLIANCE

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

Chaparral Energy, LLC
Operator

Ralph Everett
Signature

Ralph Everett — Prod. Engineer
Printed Name — Title

10/23/02 — (405) 478-8770
Date — Telephone No.

OIL CONSERVATION DIVISION

Date Approved OCT 25 2002

By _____

Title Field Rep II

DUAL OR MULTIPLE COMPLETION DATA SHEET

Hudson Energy Res. Corp. Little Jewel Com #1 F-31-22-27
Operator Well S.T.R.

Order No. _____ Pools _____

Packer Leakage Test Data

Test Date	Approval Date	Test Date	Approval Date
9/13-14-93	7/7/94		
9/12-13/94	10/6/94		
10/24-25/95	11/6/95		
9/23-24/98	10/16/98		
12/12-13/99	1/5/2000		
10/13/2000	11/13/2000		

DUAL OR MULTIPLE COMPLETION DATA SHEET

Morris R Antweil #1 Littlefield F 31-22-27
Operator Well S.T.R.

Order No. MC 1945 Pools N Carlsbad Strawn
5-26-71

PACKER LEAKAGE TEST DATA

Test Date	Approval Date	Test Date	Approval Date
11-20-21-71	5-12-71	7/20-24/81	8/17/81
1-30-31-73	2-6-73	8/9-13/82	9/24/82
9-10+11-73	10-17-73	10/15-19/83	10/24/83
9-16-9-26-27-74	11-17-74	9/18-21/84	10/16/84
10-26-27-75	11-3-75	10/7-9/85	11/13/85
For 76 [illegible]	[illegible]	12/8-10/86	1-7-87
11/30-12/3	12/14/77	10/5-6/87	10-22-87
8/11-13/78	9/15/78	10-11+12-88	10-26-88
11/1-4/79	11/21/79	9-12-13-89	9-28-89
7/20-25/80	7/30/80	9-19,20-90	10-17-90
		9-4,5-91	9-23-91
		10-5,6-92	11-13-92

Continued on Page 2

Adopted
1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION

PACKER SETTING REPORT

I, Burton Veteto (Name of party making report), being of lawful age and having full knowledge of the facts hereinbelow set out do state:

That I am employed by Morris R. Antweil in the capacity of Engineer, that on 1 April, 1971 I personally supervised the setting of a Baker Model 'F' Packer (Make & type of packer) in Morris R. Antweil (Operator of well), Little Jewel (Lease name), Well no. 1 located in the South Carlsbad field, Eddy county, state of New Mexico, at a subsurface depth of 11,390' feet, said depth measurement having been furnished me by Schlumberger Wire Line Measurement;

That the purpose of setting this packer was to effect a seal in the annular space between two strings of pipe where the packer was set so as to prevent the commingling, in the bore of this well, of fluids produced from a stratum below the packer with fluids produced from a stratum above the packer; that this packer was properly set and that it did, when set, effectively and absolutely seal off the annular space between the two strings of pipe where it was set in such manner as that it prevented any movement of fluids across the packer.

Burton Veteto
(Signature)

Agent
(Title)

April 30, 1971
(Date)

NE MEXICO OIL CONSERVATION COMMISSIO

WELL LOCATION AND ACREAGE DEDICATION PLAT

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

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

Operator	Lease	Well No.
Morris R. Antweil	Little Jewell	1

Unit Letter	Section	Township	Range	County
F	31	22South	27 East	Eddy

Actual Footage Location of Well:
1980 feet from the North line and 1900 feet from the West line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3189	Strawn	South Carlsbad (Strawn)	310.72 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

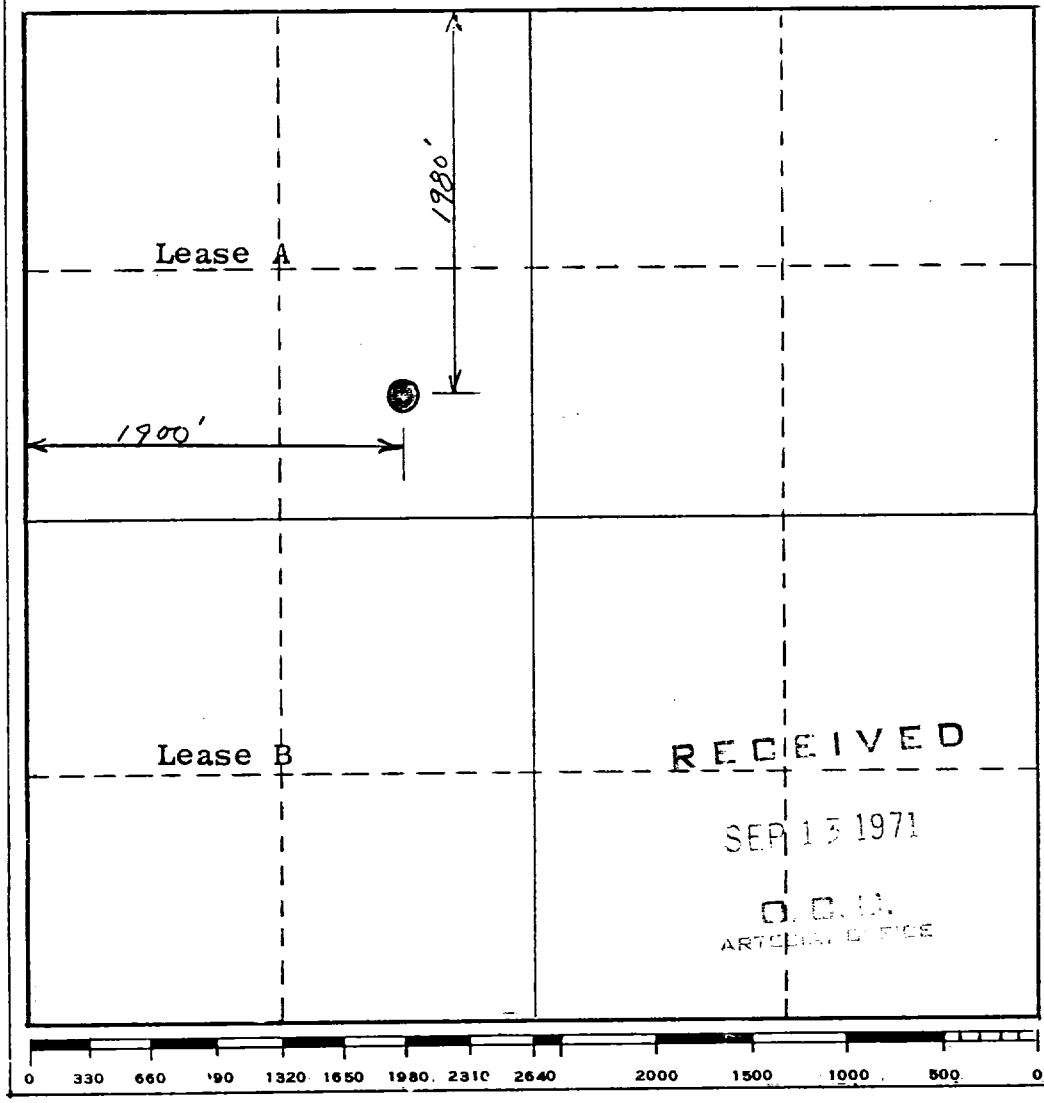
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). See Reverse Side

3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc?

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

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

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



CERTIFICATION

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

R M Williams

Name: R. M. Williams

Position: Agent

Company: Morris R. Antweil

Date: September 10, 1971

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

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

Certificate No.

Lease C - NW/4

Working Interest:		
Morris R. Antweil	3/8	
Mabee Petroleum Corp.	3/8	
Delta Drilling Company	1/4	
Royalty Interest:		
Various basic royalty owners		1/8 of 8/8 R.I.
Mobil Oil Corporation		O.R.R.I.*

*Convertable to 1/2 working interest after pay out.

Lease D- SW/4

Working Interest:		
Morris R. Antweil	3/8	
Mabee Petroleum Corp.	3/8	
Delta Drilling Company	1/4	
Royalty Interest:		
Various basic royalty owners		1/8 of 8/8 R.I.
Superior Oil Company		O.R.R.I.

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NEW MEXICO OIL CONSERVATION COMMISSION
APR 12 1971
O. C. C.
ARTESIA, OFFICE

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

5a. Indicate Type of Lease: State ☐ Fee ☒

5. State Oil & Gas Lease No.: -----

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL ☐ GAS WELL ☒ OTHER-

7. Unit Agreement Name: -----

2. Name of Operator: Morris R. Antweil

8. Farm or Lease Name: Little Jewel Comm.

3. Address of Operator: Box 2100, Hobbs, New Mexico 88240

9. Well No.: 1

4. Location of Well: UNIT LETTER F, 1980 FEET FROM THE North LINE AND 1900 FEET FROM THE West LINE, SECTION 31 TOWNSHIP ~~32~~ 22-S RANGE 27-E NMPM.

10. Field and Pool, or Wildcat: South Carlsbad

15. Elevation (*Show whether DF, RT, GR, etc.*): 3189' GL

12. County: Eddy

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☐	
OTHER ☐		OTHER Completion ☒	

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

Perforated Strawn interval with one jet shot at each of the following depths: 10,362', 10,366', 10,371', 10,375', 10,382', 10,391', 10,400', 10,403', 10,410' and 10,440'. (10 holes). Treated perfs w/4500 gals. acid- 3 bbl./min.-maximum pressure 5500 psi. Pulled treating packer. Ran tubing (long string) and engaged receptical @ 11,375'. Ran short string of tubing and hung @ 10,452'. Swabbed off Strawn gas. Flowed 8174 MCFPD thru 24/64" choke w/2400 psi FTP. Retreived blanking plug from Morrow tubing. Will continue to test Strawn-Morrow dual completion.

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

SIGNED R M Williams TITLE Agent DATE April 9, 1971

APPROVED BY W. A. Gressett TITLE [illegible] DATE APR 12 1971

CONDITIONS OF APPROVAL, IF ANY:

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Form C-105
Revised 1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

MAY [illegible]

O. C. C.
ARTESIA, OFFICE

5a. Indicate Type of Lease: State ☐ Fee ☒

5. State Oil & Gas Lease No.: ------

1a. TYPE OF WELL
OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER

b. TYPE OF COMPLETION
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER

7. Unit Agreement Name: ------

8. Farm or Lease Name: Little Jewel Com.

2. Name of Operator: Morris R. Antweil

9. Well No.: 1

3. Address of Operator: Box 2010, Hobbs, New Mexico 88240

10. Field and Pool, or Wildcat: South Carlsbad (Strawn)

4. Location of Well
UNIT LETTER F LOCATED 1980 FEET FROM THE North LINE AND 1900 FEET FROM THE West LINE OF SEC. 31 TWP. 22-S RGE. 27-E NMPM

12. County: Eddy

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Cashinghead
16 Jan 71	17 Mar 71	20 April 71	3189' GL	3189'

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
11,818'	11,786'	Two Zones	→	0-11,818'	----

24. Producing Interval(s), of this completion — Top, Bottom, Name: 10,362' -- 10,440' Strawn

25. Was Directional Survey Made: No

26. Type Electric and Other Logs Run: Gamma-Sonic, MLL, LL

27. Was Well Cored: No

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

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	54#	373'	17-1/2"	380 sx.	----
9-5/8"	36#	2600'	12-1/4"	950 sx.	----
7	23,26,29#	10708'	8-3/4"	1170 sx - 2 stages	----
			6-1/8"		

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
4-1/2"	10,538'	11,818'	150 sx	--

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-3/8"	10,452'	----
2-3/8"	11,393'	11,390'

31. Perforation Record (Interval, size and number)
10 holes @
10,362', 10,366', 10,371', 10,382'
10,391', 10,400', 10,403', 10,410'
10,375', and 10,440'.

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
10,362'-10,440'	4500 gals. acid

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping — Size and type pump)	Well Status (Prod. or Shut-in)
20 April 71	Flowing	Shut-In.

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas — Oil Ratio
20 April 71	1 hr	17/64"					

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)
3401 psi.	3762 psi		239	5758	---	58°

34. Disposition of Gas (Sold, used for fuel, vented, etc.): Test vented, connection pending

Test Witnessed By: Bill Kerley

35. List of Attachments: C-122, logs, DST summary, deviation record, packer leakage test.

36. *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.*

SIGNED R M Williams TITLE Agent DATE April 30, 1971

INSTRUCTIONS

... filed with the appropriate ... of the Commission not later than 20 days after the completion of any newly-dri... ... shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests ... including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths ... ... where six copies are required. ... Rule 1105.

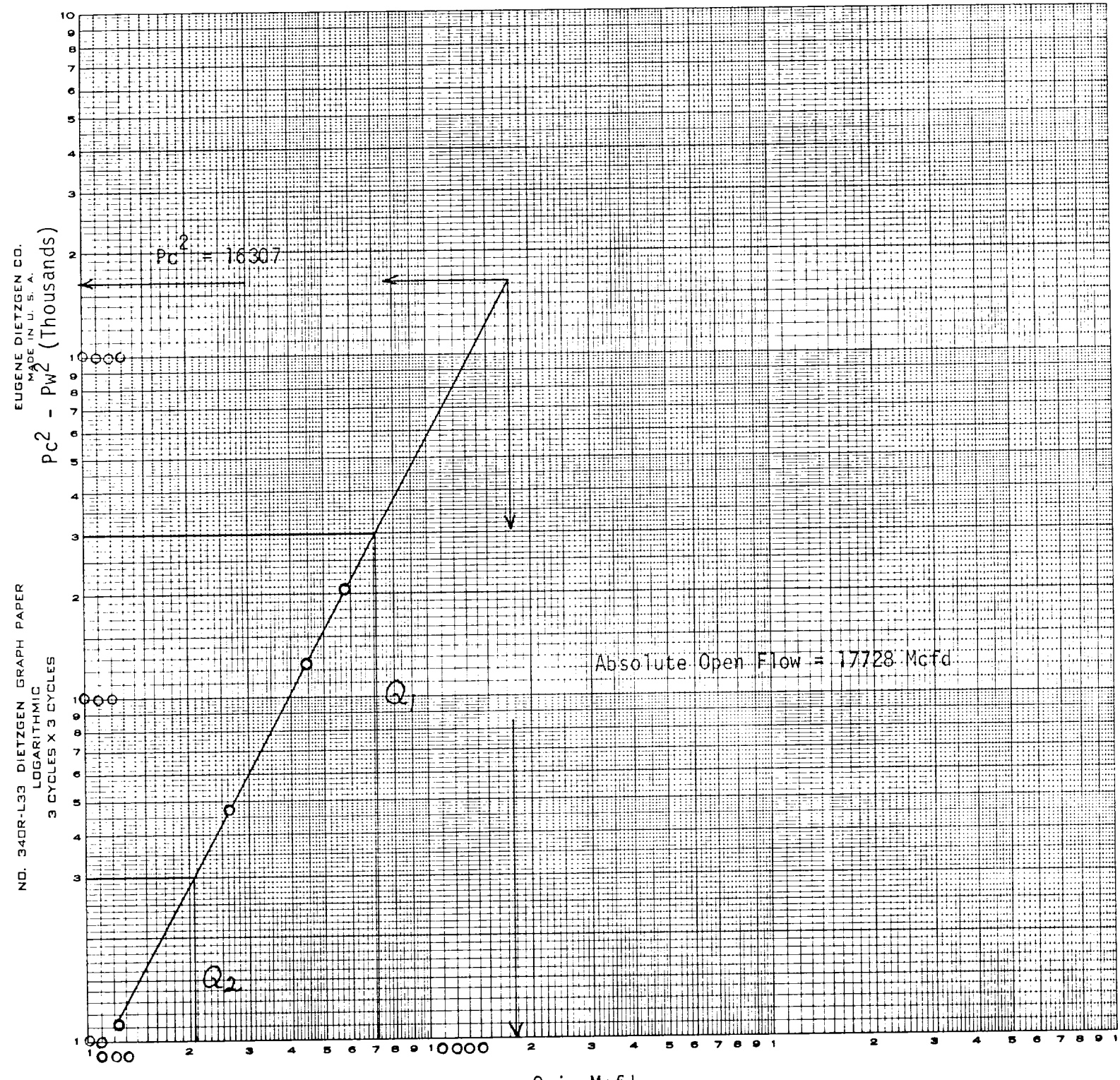
INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico				Northwestern New Mexico			
_____	T. Canyon	_____	T. Ojo Alamo	_____	T. Penn. "B"	_____	
...	T. Strawn	10,260	T. Kirtland-Fruitland	_____	T. Penn. "C"	_____	
Sal...	T. Atoka	10,528	T. Pictured Cliffs	_____	T. Penn. "D"	_____	
Yates	T. Miss	_____	T. Cliff House	_____	T. Leadville	_____	
Rivers	T. Devonian	_____	T. Menefee	_____	T. Madison	_____	
...een	T. Silurian	_____	T. Point Lookout	_____	T. Elbert	_____	
...rayburg	T. Montoya	_____	T. Mancos	_____	T. McCracken	_____	
...an Andres	T. Simpson	_____	T. Gallup	_____	T. Ignacio Qtzte	_____	
...Glorieta	T. McKee	_____	Base Greenhorn	_____	T. Granite	_____	
...addock	T. Ellenburger	_____	T. Dakota	_____	T.	_____	
...Blinebry	T. Gr. Wash	_____	T. Morrison	_____	T.	_____	
...bb	T. Granite	_____	T. Todilto	_____	T.	_____	
T. ...ansand	T. Delaware Sand	1878	T. Entrada	_____	T.	_____	
T. ...o	T. Bone Springs	5250	T. Wingate	_____	T.	_____	
T. ...olfc...	T. 3rd " " Sand	8365	T. Chinle	_____	T.	_____	
T. ...	T. Morrow	11,080	T. Permian	_____	T.	_____	
... (D... A C)	T. _____		T. Penn. "A"	_____	T.	_____	

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	1878	1878	Red Bed, Salt, Sand				
1878	5250	3372	Sand, Shale & Anhy.				
5250	10260	5010	Lime, Sand, Shale				
10260	10528	268	Lime				
10528	11818	1558	Lime, Sand & Shale.				

Company	:	Morris R. Antweil
Well	:	Little Jewell No. 1-UT
Location	:	F, 31-22S-27E
County	:	Eddy
Date	:	April 20, 1971



Q1 = 7200 Mcfd Log
Q2 = 2060 Mcfd Log

Q1 = 3.85733
Q2 = 3.31387
N = 0.54346 = .543

NE MEXICO OIL CONSERVATION COMMISSION

Form C-122
Revised 9-1-65

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

RECEIVED
MAY 6 1971
O. C. C.
ARTESIA, OFFICE

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 4-20-71	
Company: Morris R. Antweil	Connection: Pending			Unit:
Pool: South Carlsbad	Formation: Strawn			
Completion Date: 4-1-71	Total Depth: 11,818	Plug Back TD: 11,759	Elevation: 3206 K.B.	Farm or Lease Name: Little Jewell
Csg. Size: 7" / 4½"	Wt.: 23 / 11.60	d: 6.366 / 4.000	Set At: 10703 *	Perforations: From 10,362 To 10,440
Well No.: 1-U.T.				
Tbg. Size: 2-3/8	Wt.: 4.60	d: 1.995	Set At: 10,452	Perforations: From Open To Ended
Unit: F	Sec.: 31	Twp.: 22-S	Rge.: 27-E	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G. G. Multiple (Dual)			Packer Set At: 11,390	County: Eddy
Producing Thru: Tubing	Reservoir Temp. °F: 173 @ 10401	Mean Annual Temp. °F:	Baro. Press. – P_a: 13.2	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
10452	10452	.643	.38	.75	Nil		3.068"	Flange

NO.	FLOW DATA: Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI					4006	60	4025	60	S.I.96Hr.
1.	3.068" X 1.500"	740	10	99	3940	72	4011	72	.5
2.	3.068" X 1.500"	815	36	60	3829	72	3959	72	.5
3.	3.068" X 2.000"	895	24	45	3670	72	3867	72	.5
4.	3.068" X 2.000"	900	40	41	3404	72	3762	72	1.0
5.									

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	11.13	86.79	753.2	.9645	1.247	1.059	1230
2.	11.13	172.67	828.2	1.0000	1.247	1.087	2605
3.	21.32	147.64	908.2	1.015	1.247	1.112	4430
4.	21.32	191.12	913.2	1.019	1.247	1.112	5758
5.							

NO.	P_t	Temp. °R	T_r	Z
1	1.12	559	1.50	.891
2.	1.24	520	1.40	.846
3.	1.36	505	1.36	.809
4.	1.36	501	1.35	.809
5.				

Gas Liquid Hydrocarbon Ratio 24.3 Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons 58.0 Deg.
Specific Gravity Separator Gas .643 XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX
Critical Pressure 670 P.S.I.A. ____ P.S.I.A.
Critical Temperature 372 R ____ R

P_c 4038.2 P_c^2 16307

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		4024.2	16194	113
2		3979.2	15834	473
3		3880.2	15056	1251
4		3775.2	14252	2055
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 7.935$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3.079$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 17728$

Absolute Open Flow 17,728 Mcfd @ 15.025 Angle of Slope θ ____ Slope, n .543

Remarks: * 4-1/2" Liner set at 10541 to 11818

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Bill Kirby	Bill Kirby	Bill Kirby

CONE & KERLEY, INC.

PETROLEUM ENGINEERING SERVICES

CONE & KERLEY LABORATORY

PHONE EM 6-6442

P. O. BOX 2982

ODESSA, TEXAS – 79760

For Morris R. Antweil
P. O. Box 2010
Hobbs, New Mexico 88240

April 20, 1971

LABORATORY REPORT

SAMPLE: Little Jewell No. 1-U.T. - South Carlsbad Field
Stock Tank Condensate - (Strawn)

Sampling Conditions: Atmos. psig 70 °F Date 4-20-71

Remarks:

HYDROCARBON ANALYSIS

METHOD OF ANALYSIS

	Mol %	Liq. Vol. %	GPM
Hydrogen Sulfide			
Oxygen			
Nitrogen			
Carbon Dioxide			
Methane			
Ethane			
Propane			
Iso-Butane			
N-Butane			
Iso-Pentane			
N-Pentane			
Iso-Hexane			
N-Hexane			
Pentanes Plus			
Hexanes Plus			
Heptanes Plus			
TOTALS			

MISCELLANEOUS DATA

Gas Samples

Sp. Gr. _____ (Measured)
Sp. Gr. _____ (Calculated)
BTU/Cu. Ft. _____ (Dry Basis)
BTU/Cu. Ft. _____ (Wet Basis)

Gasoline Content:

Gasoline		GPM
% Propane		GPM
Butanes		GPM
TOTAL		GPM

Remarks:

Liquid Samples

Characteristics of _____ plus
Sp. Gr. _____ (Water = 1)
Mol. Wt. _____
Vapor Volume _____ (Cu. Ft./Gal.)
Remarks:

Remarks:

ASTM DISTILLATION

Initial Boiling Point	90	°F
Percent		
5	136	°F
10	154	°F
20	190	°F
30	220	°F
40	258	°F
50	298	°F
60	363	°F
70	470	°F
80	578	°F
90		°F
95		°F
End Point	660	°F

Recovery	89.00 %
Residue	4.20 %
Loss	6.80 %
	100.00

YIELD

Gasoline	300° F.	%
	350° F.	%
	400° F.	%
Total Gasoline		%
Kerosene	525° F.	%

°API 58.0
Color Light Straw

Remarks:

MISCELLANEOUS

RECEIVED

MAY [illegible] 1971

ARTESIA

Certified: CONE & KERLEY, INC.
By: Bill Kerley
Bill Kerley

C & K Form 2-68

CONE & KERLEY, INC.

PETROLEUM ENGINEERING SERVICES ODESSA, TEXAS – 79760 P. O. BOX 2982 PHONE EM 6-6442

For: Morris R. Antweil
P. O. Box 2010
Hobbs, New Mexico 88240

Date of Test: April 20, 1971
Field: South Carlsbad (Strawn)

Well No.: Little Jewell No. 1-U.T. Separator Gas Flow Rate 3415 MCF/Day

A. YIELD AND CHARACTERISTICS OF SEPARATOR EFFLUENTS AT 878 PSIG AND 54 °F

1. Separator condensate GPM, Gal/MCF separator gas	2.303	GPM
2. Yields per MCF of full wellstream: (Dry Sep. Gas + Vap. Cond.)		
(a) Stock tank condensate (58.0 ° API) (41.53 Bbls/MM)	1.744	GPM
(b) Separator Gas	92.96	%
(c) Water (Cl = --- ppm)	0.00	Bbls/MM
3. Separator Condensate Shrinkage Factor: Percent recovered by 2 - stage Flash Vaporization from separator pressure and weathered to 70 °F	75.73	%
4. Separator Condensate Vapor Equivalent:	32.89	Cu. Ft./Gal.

B. COMPOSITION OF SEPARATOR EFFLUENTS

	GAS Mol %	GAS GPM	CONDENSATE Mol %	CONDENSATE Liq. Vol. %
Hydrogen Sulfide	Nil		Nil	Nil
Oxygen				
Nitrogen	.51			
Carbon Dioxide	.37			
Methane	88.39		29.35	16.31
Ethane	7.30		15.46	12.91
Propane	2.16	.592	20.01	10.83
Iso-Butane	.37	.121	4.27	4.58
N-Butane	.50	.157	7.76	8.01
Iso-Pentane	.15	.055	4.16	4.98
N-Pentane	.11	.040	3.84	4.55
Iso-Hexanes				
N-Hexane				
Pentanes Plus				
Hexanes Plus	.14	.061	23.15	37.83
Heptanes Plus				
TOTALS	100.00	1.026	100.00	100.00

C. FULL WELL STREAM COMPOSITION:

	Mol %	GPM
Hydrogen Sulfide	Nil	
Oxygen		
Nitrogen	.47	
Carbon Dioxide	.34	
Methane	84.26	
Ethane	7.87	
Propane	2.85	.782
Iso-Butane	.64	.209
N-Butane	1.01	.317
Iso-Pentane	.43	.156
N-Pentane	.37	.133
Iso-Hexanes		
N-Hexane		
Pentanes Plus		
Hexanes Plus	1.76	.868
Heptanes Plus		
TOTALS	100.00	2.465

D. MISCELLANEOUS DATA:

SEPARATOR GAS

Sp. Gr.	.642	(Measured) (Air = 1)
Sp. Gr.	.637	(Calculated) (Air = 1)
BTU/Cu. Ft.	1119	(Dry Basis)
BTU/Cu. Ft.	1090	(Wet Basis)

Gasoline Content:

26#	Gasoline	.205 GPM
100	% Propane	.592 GPM
XS	Butanes	.229 GPM
	TOTAL	1.026 GPM

SEPARATOR CONDENSATE

Characteristics of Hexanes plus in liquid residue:

Specific Gravity	.7512	(Water = 1)
Molecular Weight	118.50	
Cu. Ft. Vapor per gallon	20.12	

Stock Tank Condensate

Butanes & Lighter	18.70%
Pentanes Plus	81.30%
	100.00%

FULL WELL STREAM

Characteristics of Hexanes plus in full well stream:

Specific Gravity	.7461	(Water = 1)
Molecular Weight	116.76	
Cu. Ft. Vapor per gallon	20.28	

Full Well Stream Sp. Gr. = .725 (Air = 1)

Volumes = 14.65 psi & 60° F.

REMARKS: Stabilized Separator G.P.M.
Stabilized Wellhead Pressures: Tbg. 3747 Psig - Csg. 3922 Psig

Certified: CONE & KERLEY, INC.

By Bill Kerley
Bill Kerley

C & K Form 3-69

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U.S.G.S.		
LAND OFFICE		
TRANSPORTER	OIL	
	GAS	
OPERATOR		
PRORATION OFFICE		

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

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

RECEIVED
MAY 13 1971
O. C. C.
ARTESIA, OFFICE

I.

Operator
MORRIS R. ANTWEIL ✓

Address
Box 2010, Hobbs, New Mexico

Reason(s) for filing *(Check proper box)*
New Well ☐ Change in Transporter of: Oil ☐ Dry Gas ☐
Recompletion ☐ Casinghead Gas ☐ Condensate ☐
Change in Ownership ☐

Other *(Please explain)* 175 bbls
Request to sell condensate produced while testing well. (Well was tested under permission by Mr. Utz.)

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

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Little Jewel Com	**1**	**South Carlsbad, StrawnGas**	State, Federal or Fee **Fee**	**----**

Location
Unit Letter **F** ; **1980** Feet from The **North** Line and **1980** Feet From The **West**
Line of Section **31** Township **22-S** Range **27-E** , NMPM, **Eddy** County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☒	Address *(Give address to which approved copy of this form is to be sent)*
Western Oil Transportation Co., Inc.	**Box 725, Hobbs, New Mexico 88240**
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☐	Address *(Give address to which approved copy of this form is to be sent)*

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
Test Tanks					**No**	

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

IV. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Resv.	Diff. Resv.

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Elevations *(DF, RKB, RT, GR, etc.)*	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Perforations			Depth Casing Shoe

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

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

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-Bbls.	Gas-MCF

GAS WELL

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

VI. CERTIFICATE OF COMPLIANCE

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

Ann K. Headstream
(Signature)

Production Clerk
(Title)

May 11, 1971
(Date)

OIL CONSERVATION COMMISSION

APPROVED MAY 13 1971, 19 ____

BY W. A. Gressett

TITLE _____

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

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

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

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

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

NEW MEXICO
OIL CONSERVATION COMMISSION
P. O. DRAWER DD
ARTESIA, NEW MEXICO

May, June, 1971

No. A 36

SUPPLEMENT TO THE OIL PRORATION SCHEDULE

DATE 5/13/71

PURPOSE: ALLOWABLE ASSIGNMENT (Testing Allowable)

Effective 5/13/71, a testing allowable of 175 barrels of condensate for the month is hereby assigned to the Morris R. Antweil, Little Jewel Com #1-F, 31-22-27, South Carlsbad Strawn Gas Pool.

WAG: jw

Morris R. Antweil

Western Oil Transportation

OIL CONSERVATION COMMISSION

Supervisor, District No. 2

EXTRA COPY

OIL CONSERVATION COMMISSION

BOX 2045

HOBBS, NEW MEXICO

RECEIVED

OCT 14 1971

O. C. C.
ARTESIA, OFFICE

NOTICE OF GAS CONNECTION

DATE October 12, 1971

This is to notify the Oil Conservation Commission that connection for the purchase of gas from the Morris R. Antweil-Operator (Operator) / Little Jewel #1 Strawn (Lease)

F (Well Unit), Sec.31-22S-27E (S.T.R.), S. Carlsbad (Strawn) (Pool), Llano, Inc. (Name of ~~Purchaser~~) Pipeline Company

was made on October 4, 1971.

LLANO, INC.
~~PURCHASER~~
PIPELINE COMPANY

H. L. Smith
Representative

VICE PRESIDENT - OPERATIONS
Title

cc: To operator
Oil Conservation Commission - Santa Fe

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TRANSPORTER GAS		
OPERATOR		
PRORATION OFFICE		

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

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

I.

Operator: Morris R. Antweil

RECEIVED
SEP 13 1971
O. C. C.
ARTESIA, OFF

Address: Box 2010, Hobbs, New Mexico 88240

Reason(s) for filing *(Check proper box)*
- New Well [X]
- Recompletion [ ]
- Change in Ownership [ ]
- Change in Transporter of: Oil [ ] Dry Gas [ ] Casinghead Gas [ ] Condensate [ ]
- Other *(Please explain)*

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

I. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Little Jewel Com.	1	South Carlsbad (Strawn)	State, Federal or Fee Fee	

Location: Unit Letter F ; 1980 Feet From The North Line and 1900 Feet From The West

Line of Section 31 Township 22-S Range 27-E , NMPM, Eddy County

II. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil [ ] or Condensate [X]: The Permian Corporation
Address *(Give address to which approved copy of this form is to be sent)*: Box 3119 Houston, Texas 77001

Name of Authorized Transporter of Casinghead Gas [ ] or Dry Gas [ ]: Llano, Inc.
Address *(Give address to which approved copy of this form is to be sent)*: Box 1320 Hobbs, New Mexico 88240

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	N	31	22	27	~~No gas~~	~~9-30-71~~ 10-4-71 ~~16 Sept. 71~~

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

V. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		X	X					

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
16 Jan. 71	20 Apr. 71	11,818'	11,786'
Elevations *(DF, RKB, RT, GR, etc.)*	**Name of Producing Formation**	**Top Oil/Gas Pay**	**Tubing Depth**
3189' GL	Strawn	10,362'	10,452' --2-3/8"
Perforations			**Depth Casing Shoe**
10,362' -- 10,440' 10 holes			11,818'

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
17-1/2"	13-3/8"	373'	380 sx.
12-1/4"	9-5/8"	2600'	950 sx.
8-3/4"	7 "	10708'	1170 sx.
6-1/8"	4-1/2" liner	10538' - 11,818'	150 sx.

V. TEST DATA AND REQUEST FOR ALLOWABLE

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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 - Bbls.**	**Gas - MCF**

GAS WELL 5/6/72 Gas

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
5758	1 hr.	41.5	58°
Testing Method *(pitot, back pr.)*	**Tubing Pressure (Shut-in)**	**Casing Pressure (Shut-in)**	**Choke Size**
Back Pressure	4006 psig	--	17/64"

VI. CERTIFICATE OF COMPLIANCE

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

C M Williams
(Signature)

Agent
(Title)

10 Sept. 71
(Date)

OIL CONSERVATION COMMISSION

APPROVED OCT 4 1971, 19 ----

BY W. A. Gressett

OIL AND GAS INSPECTOR

TITLE ----

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

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

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

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

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

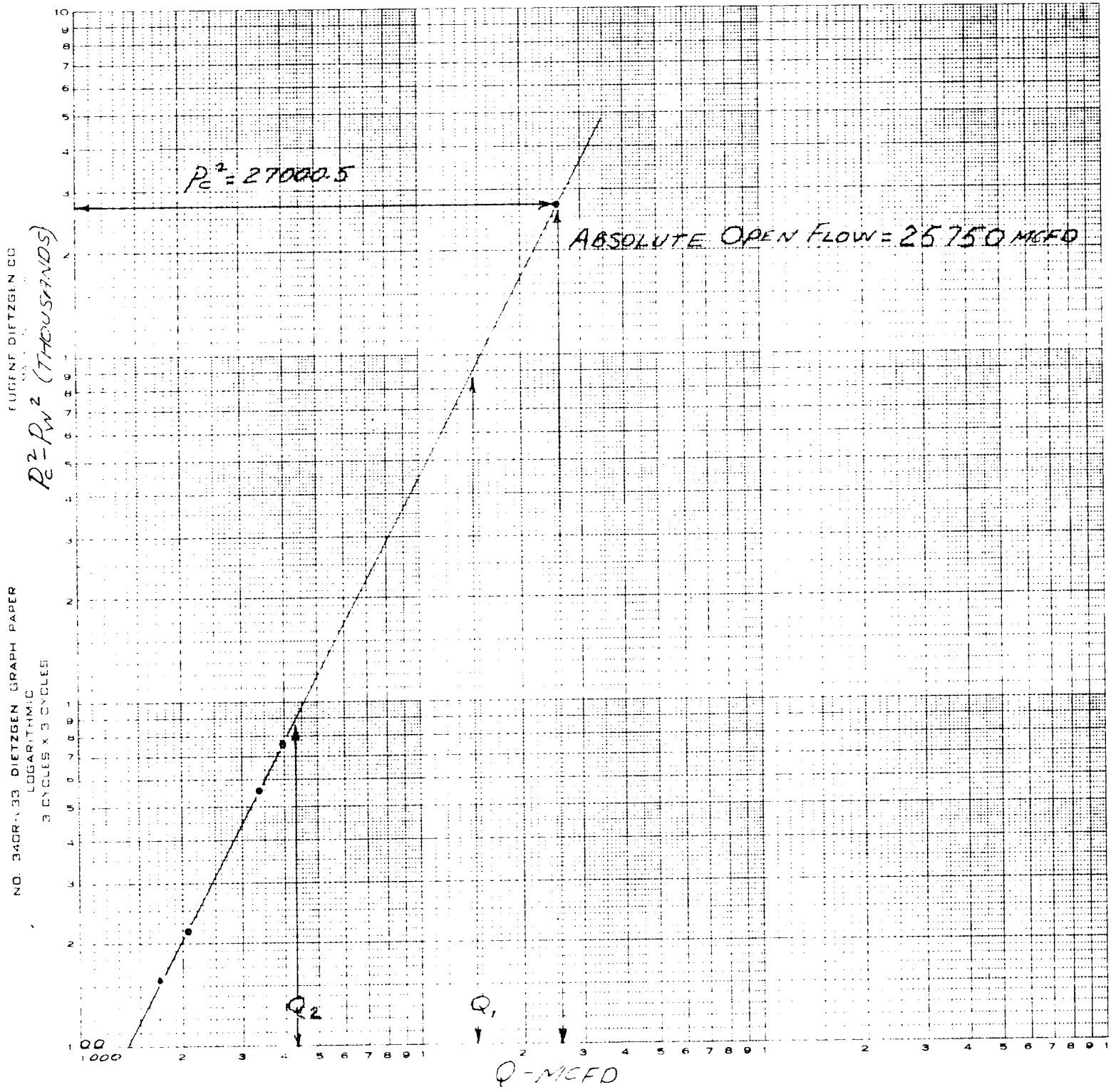
COMPANY Mo1 s R. Antweil

WELL Little Jewel, No. 1 UT

LOCATION Unit F, Sec. 31 22 s 27 e

COUNTY Eddy New Mexico

DATE November 16, 1971



$Q_1 = 14400$ MCFD; LOG $Q_1 = 4.15836$

$Q_2 = 4300$ MCFD, LOG $Q_2 = 3.63347$

$n = 0.52489 = 0.525$

NE MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
DEC 1 1971
O. C. C.
ARTESIA, OFFICE

Type Test: ☐ Initial ☒ Annual ☐ Special			Test Date: 11-16-71	
Company: Morris R. Antweil	Connection: Llano, Inc.			
Pool: South Carlsbad Strawn	Formation: Strawn			Unit: -
Completion Date: 4-1-71	Total Depth: 11818'	Plug Back TD: 11759'	Elevation: 3206'KB	Farm or Lease Name: Little Jewel Com
Csg. Size: 7" / 4 1/2" — Wt.: 23 / 11.60 — d: 6.366 / 4.000 — Set At: 10703'		Perforations: From 10362' To 10440'		Well No.: 1 UT
Tbg. Size: 2 3/8" — Wt.: 4.60 — d: 1.995 — Set At: 10452'		Perforations: From Open To ended		Unit: F — Sec.: 31 — Twp.: 22s — Rge.: 27e
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G.G.Multriple		Packer Set At: 11390'		County: Eddy
Producing Thru: Tubing	Reservoir Temp. °F: 173 @ 10401'	Mean Annual Temp. °F: 60	Baro. Press. – P_a: 13.2	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
10401'	-	0.644	0.32	0.56	0.00		X	F

NO.	FLOW DATA: Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g. DWT	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI					3955				48.0 hrs
1.	4 9/64 1.750	540	14	68	3930	77	PACKER		1.0
2.	4 10/64 1.750	550	20	65	3920	78	-	-	1.0
3.	4 12/64 1.750	560	51	60	3855	79	-	-	1.0
4.	4 14/64 1.750	560	72	65	3810	77	-	-	1.0
5.									

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	14.93	88.01	553.2	0.9924	1.246	1.052	1707.3
2	14.93	106.13	563.2	0.9952	1.246	1.052	2067.0
3	14.93	170.97	573.2	1.0000	1.246	1.057	3361.8
4	14.93	203.15	573.2	0.9952	1.246	1.054	3964.0
5							

NO.	P_t	Temp. °R	T_r	Z
1	0.82	528	1.43	0.904
2	0.84	525	1.43	0.903
3	0.85	520	1.41	0.895
4	0.85	525	1.43	0.900
5				

Gas Liquid Hydrocarbon Ratio 21.412 Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons 56.9 Deg.
Specific Gravity Separator Gas 0.644 XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX -
Critical Pressure 673 P.S.I.A. - P.S.I.A.
Critical Temperature 368 R - R

P_t 5196.2 P_c^2 27000.5

NO	P_t^2	P_w *	P_w^2	$P_c^2 - P_w^2$
1	-	5181.2	26844.8	155.7
2	-	5175.2	26782.7	217.8
3	-	5142.2	26442.2	558.3
4	-	5122.2	26236.9	763.6
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 35.36$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 6.50$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 25766$

Absolute Open Flow 25750 Mcfd @ 15.025 Angle of Slope θ 62° 18' Slope, n 0.525

Remarks: * BHP @ (-7195') 10401' used for pressure calculations

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	COLEMAN PET.ENG.	JOE A. COLEMAN	JOE A. COLEMAN

RECEIVE

DEC 1 1972

O. C. C.
ARTESIA, OFFICE

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

GAS SUPPLEMENT NO. (~~NW~~) (SE) SE-3612 DATE 12-1-72

NOTICE OF WELL CONNECTION OR AUTHORITY TO ASSIGN ALLOWABLE
ALL VOLUMES EXPRESSED IN MCF

The operator of the following well has complied with all the requirements of the Oil Conservation Commission and may be assigned an allowable as shown below.

Date of Connection _____ Date of First Allowable or Allowable Change _____
Purchaser Llano, Inc. Pool South Carlsbad-Strawn
Operator Morris Antweil Lease Little Jewel Com
Well No. 1 Unit Letter F Sec. 31 Twp. 22S Rnge. 27E
Dedicated Acreage _____ Revised Acreage _____ Difference _____
Acreage Factor .97 Revised Acreage Factor _____ Difference _____
Deliverability _____ Revised Deliverability _____ Difference _____
A x D Factor _____ Revised A x D Factor _____ Difference _____

Production correction DIST. #

CALCULATION OF SUPPLEMENTAL ALLOWABLE

MONTH	% OF MO.	PREV. ALLOW	REV. ALLOW.	PREV. PROD.	REV. PROD.	REMARKS
JANUARY						
FEBRUARY						
MARCH						
APRIL						
MAY						
JUNE						
JULY						
AUGUST						
SEPTEMBER						
OCTOBER				106689	121326	
NOVEMBER						
DECEMBER						
TOTALS						
ALLOWABLE PRODUCTION DIFFERENCE - - - - - -				14637-		
Oct. SCHEDULE O/U STATUS - - - - - -				36175+		
REVISED Oct. O/U STATUS - - - - - -				21538+		
EFFECTIVE IN January SCHEDULE - - - - -						
PREVIOUS PERIOD ADJUSTMENTS - - - - - - - -						CURRENT CLASSIFICATION N TO

NOTICE OF SHUT-IN

The following described well has been Shut-in for Failure of Compliance:

Purchaser _____ Pool _____ Date _____
Operator _____ Lease _____
Well No. _____ Unit Letter _____ Sec. _____ Twp. _____ Rnge. _____
Effective date of Shut-in _____ Reason for Shut-In _____

A. L. PORTER, Jr., *Director*

By _____

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

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

RECEIVED
OCT 1976

Operator
Morris R. Antweil

Address
Box 2010, Hobbs, N.M. 88240

Reason(s) for filing *(Check proper box)*
New Well ☐
Recompletion ☐
Change in Ownership ☐
Additional
Change in Transporter of:
Oil ☐ Dry Gas ☒
Casinghead Gas ☐ Condensate ☐

Other *(Please explain)*
Effective 1 October, 1976
Split Comm.

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

I. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Little Jewel Com.	1	South Carlsbad (Strawn)	State, Federal or Fee Fee	---

Location
Unit Letter F ; 1980 Feet From The North Line and 1900 Feet From The West

Line of Section 31 Township 22-S Range 27-E , NMPM Eddy County

II. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☒
The Permian Corp.
Address *(Give address to which approved copy of this form is to be sent)*
Box 3119 Houston Texas 77001

Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒
Texas Inc.
El Paso Natural Gas Co.- 50%
Address *(Give address to which approved copy of this form is to be sent)*
Box 1320 Hobbs New Mexico
Box 1492, El Paso, Texas 79978

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	N	31	22	27	~~No.~~ Yes	10-4-71
					Yes	10-22-76

If this production is commingled with that from any other lease or pool, give commingling order number: R-4195

IV. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Resv.	Diff. Resv.

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Perforations			Depth Casing Shoe

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

V. TEST DATA AND REQUEST FOR ALLOWABLE

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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-Bbls.	Gas-MCF

GAS WELL

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

VI. CERTIFICATE OF COMPLIANCE

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

(Signature)

Agent
(Title)

12 October, 1976
(Date)

OIL CONSERVATION COMMISSION

APPROVED OCT 28 1976, 19 _____

BY _____

TITLE SUPERVISOR, DISTRICT II

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

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

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

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

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

OIL CONSERVATION COMMISSION

P. O. DRAWER DD

ARTESIA, NEW MEXICO 88210

NOTICE OF GAS CONNECTION

Date October 26, 1976

This is to notify the Oil Conservation Commission that connection for the purchase of gas from the MOrris R. Antweil (Operator)

Little Jewel Com. #1 (Strawn) (Lease), F (Well & Unit), 31-22-27 (S.T.R.)

South Carlsbad Strawn (Pool), El Paso Natural Gas Co. (Name of Purchaser)

was made on October 22, 1976.

El Paso Natural Gas Co.
Purchaser

Representative

Gas Production Status Analyst
Title

TRE: bl

cc: To operator
Oil Conservation Commission - Santa Fe
T. J. Crutchfield
H. P. Logan
Proration
File

RECEIVED

EL PASO NATURAL GAS COMPANY

DATE 11/4 19 76

ADVICE ON WELLS TIED INTO GAS GATHERING SYSTEMS

Name of Producer: Morris R. Antwell (0210)

Well Name and Number: Little Jewel Com. #1 (Strawn)

Location: 1980'N, 1980'E, Sec. 31, T-22-S, R-27-E, Eddy Co., NM

Pool Name: South Carlsbad Strawn

Producing Formation: Strawn

Top of Gas Pay: 10362

Oil or Gas Well: Gas

Gas Unit Allocation: 320 Acres W 1/2

Date Tied Into Gathering System: October 22, 1976

Date of First Delivery: October 25, 1976

Gas Gathering System: Carlsbad Gathering System

Processed through Gasoline Plant (Yes or No): No

Station Number: 61-721-01

Remarks:

By _____ Dispatching

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OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

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

5a. Indicate Type of Lease: State ☐ Fee ☒

5. State Oil & Gas Lease No.: ----

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL ☐ GAS WELL ☒ OTHER-

7. Unit Agreement Name: ----

2. Name of Operator: Morris R. Antweil

8. Farm or Lease Name: Little Jewel Com.

3. Address of Operator: Box 2010, Hobbs, N.M. 88240

9. Well No.: 1

4. Location of Well: UNIT LETTER F, 1980 FEET FROM THE North LINE AND 1900 FEET FROM THE West LINE, SECTION 31 TOWNSHIP 22-S RANGE 27-E NMPM.

10. Field and Pool, or Wildcat: South Carlsbad

15. Elevation (Show whether DF, RT, GR, etc.): 3189' GR

12. County: Eddy

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☐	
OTHER ☐		OTHER Repair Packer-Leakage ☒	

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

TD 11,818' PBTD 11,786' Morrow perfs. 11,441'-11,465' & Strawn perfs. 10,362' - 10,440'. Dual packer @ 11,390'. Killed Morrow and Strawn zones w/Temblok- 50 gel. Pulled both strings of tbg. Found seals on tubing seal assembly damaged. Found scale in Morrow tbg. string. Re-ran Morrow tbg. and engaged packer @ 11,390'. Re-ran Strawn tbg. Swabbed off both intervals. Ran packer leakage test. Tested OK. Treated Morrow w/1500 gals acid and Strawn w/2000 gals acid. Swabbed back. Returned Morrow to pipeline. Continuing to clean-up Strawn.

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

SIGNED [signature] TITLE Agent DATE 7 March, 1977

APPROVED BY [signature] TITLE SUPERVISOR, DISTRICT II DATE APR 1 1977

CONDITIONS OF APPROVAL, IF ANY:

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NEW MEXICO OIL CONSERVATION COMMISSION

REQUEST FOR ALLOWABLE

AND

AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

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

RECEIVED

I. Operator

Reserve Oil, Inc.

Address

312 HBF Building, Midland, Texas 79701

Reason(s) for filing (Check proper box)

New Well: ___
Recompletion: ___
Change in Ownership: X

Other (Please explain)

Change effective 11-1-77

If change of ownership give name and address of previous owner: Morris R. Antweil, Box 2010, Hobbs, New Mexico 88240

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Little Jewel Com.	1	South Carlsbad (Strawn)	Fee	--

Unit Letter	Feet From The	North/South Line	Feet From The	East/West Line
F	1980	North	1900	West

Section	Township	Range	County
31	22-S	27-E	Eddy

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil	X	Address (Give address to which approved copy of this form is to be sent)
The Permian Corporation		Box 3119, Houston, Texas 77001
Name of Authorized Transporter of Casinghead Gas or Dry Gas	X	Address (Give address to which approved copy of this form is to be sent)
Llano, Inc. - 50% El Paso Natural Gas Company - 50%		Box 1320, Hobbs, New Mexico 88240 Box 1492, El Paso, Texas 79978

If well produces oil or liquids, give location of tanks	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	N	31	22	27	Yes	10-4-71
					Yes	10-22-76

If this production is commingled with that from any other lease or pool, give commingling order number: R-4195

IV. COMPLETION DATA

Designate Type of Completion —	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.

Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth

Perforations	Depth Casing Shoe

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

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

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-Bbls.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate

Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

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

Clarence R. Chandler
(Signature)

District Engineer
(Title)

October 12, 1977
(Date)

OIL CONSERVATION COMMISSION

APPROVED _____, 19__

BY _____

TITLE _____

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

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

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

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

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

NO. OF COPIES RECEIVED	6	
DISTRIBUTION		
SANTA FE	1	
FILE	1	✓
U.S.G.S.		
LAND OFFICE		
TRANSPORTER OIL	1	
TRANSPORTER GAS	1	
OPERATOR	1	
PRORATION OFFICE		

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

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

RECEIVED
JUN 26 1978
O. C. C.
ARTESIA, OFFICE

Operator
Delta Drilling Company

Address
P.O. Box 2113 Midland, Texas 79702

Reason(s) for filing (Check proper box)
New Well [ ]
Recompletion [ ]
Change in Ownership [X]
Change in Transporter of: Oil [ ] Dry Gas [ ] Casinghead Gas [ ] Condensate [ ]

Other (Please explain)
Change effective 7/1/78

If change of ownership give name and address of previous owner Reserve Oil, Inc. 312 HBF Building Midland, Texas 79701

DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Little Jewel Comm.	1	South Carlsbad (Strawn)	State, Federal or Fee Fee	

Location
Unit Letter F : 1980 Feet From The north Line and 1900 Feet From The west

Line of Section 31 Township 22-S Range 27-E , NMPM, Eddy County

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil [ ] or Condensate [X]	Address (Give address to which approved copy of this form is to be sent)
The Permian Corporation	Box 1183, Houston, Texas 77001
Name of Authorized Transporter of Casinghead Gas [ ] or Dry Gas [X]	Address (Give address to which approved copy of this form is to be sent)
Llano, Inc. - 50% El Paso Natural Gas Company - 50%	Box 1320 Hobbs, New Mexico 88240 Box 1492 El Paso, Texas 79978

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	N	31	22	27	yes yes	10-4-71 10-22-76

If this production is commingled with that from any other lease or pool, give commingling order number: R-4195

COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Resv.	Diff. Resv.

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Perforations			Depth Casing Shoe

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

TEST DATA AND REQUEST FOR ALLOWABLE

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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-Bbls.	Gas-MCF

GAS WELL

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

CERTIFICATE OF COMPLIANCE

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

/ Ron Brown
(Signature)
Field Project Manager
(Title)
6/15/78
(Date)

OIL CONSERVATION COMMISSION

APPROVED JUN 30 1978, 19

BY L. Clifford

TITLE SUPERVISOR, DISTRICT II

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

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

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

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

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

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

Form C-104
Revised 10-1-78

OIL CONSERVATION DIVISION

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

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

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. Operator

Baruch-Foster Corporation

Address

1160 One Energy Square/4925 Greenville Avenue/Dallas, Texas 75206

Reason(s) for filing (Check proper box)

- New Well [ ]
- Recompletion [ ]
- Change in Ownership [X]
- Change in Transporter of: Oil [ ] Dry Gas [ ] Casinghead Gas [ ] Condensate [ ]

Other (Please explain)

If change of ownership give name and address of previous owner Delta Drilling Company/3100-C North "A"/Midland, Texas 79701

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Little Jewell Com	1	Carlsbad Strawn, South (Gas)	State, Federal or Fee Fee	

Location

Unit Letter F : 1980 Feet From The North Line and 1900 Feet From The West

Line of Section 31 Township 22S Range 27E NMPM, Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

SCURLOCK PERMIAN CORP EFF 9-1-91

Name of Authorized Transporter of Oil [ ] or Condensate [XX]	Address (Give address to which approved copy of this form is to be sent)
The Permian Corporation	Box 1183/Houston, Texas 77001
Name of Authorized Transporter of Casinghead Gas [ ] or Dry Gas [XX]	Address (Give address to which approved copy of this form is to be sent)
ElPaso Natural Gas Company	Box 1492/ElPaso, Texas 79978

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	N	31	22S	27E	Yes	October, 1971

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

IV. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Perforations			Depth Casing Shoe

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

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

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-Bbls.	Gas-MCF

GAS WELL

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

VI. CERTIFICATE OF COMPLIANCE

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

(Signature) W. J. Newman

Senior Vice-President - Production
(Title)

September 26, 1983
(Date)

OIL CONSERVATION DIVISION

APPROVED _____, 19 _____

BY Original Signed By
Leslie A. Clements

TITLE Supervisor District II

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

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

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

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

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

50 YEARS

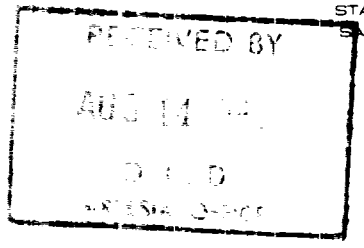
STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

1935 - 1985

August 12, 1985

TONEY ANAYA
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-5800



Baruch - Foster Corporation
1160 One Energy Square
4925 Greenville Avenue
Dallas, Texas 75206

Attention: J. F. Ellenbracht

Re: Gas Commingling
Little Jewel No. 1 Well
Section 31, T-22S, R-27E
Eddy County, New Mexico

Dear Sir:

Your application to surface commingle the gas production from the above mentioned well has been reviewed. Insofar as the interest is common for both zones, and there will be no reduction in value as a result of commingling, and both zones are marginal producers, and the costs associated with producing the well will be reduced, thereby extending the economic life of the well;

You are hereby authorized to surface commingle the gas production from the South Carlsbad Morrow and Strawn Pools from the above referenced well. This production shall be run through a separator and a sales meter located in the SW/4 of Section 31, and further, the production allocation shall be determined by a well test to be conducted bi-annually and reported to this office.

It is the responsibility of the operator to notify the transporter of the commingling authority.

Sincerely,

R. L. STAMETS
Director

RLS/DC/et

xc: Oil Conservation Division - Artesia

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
ARTESIA DISTRICT OFFICE

TONEY ANAYA
GOVERNOR

February 2, 1984

P.O. DRAWER DD
ARTESIA, NEW MEXICO 88210
(505) 748-1283

Baruch-Foster Corporation
1160 One Energy Square
4925 Greenville Avenue
Dallas, Texas 75206

Gentlemen:

Effective February 1, 1984 the allowables of the wells listed below are hereby cancelled for failure to file Form C-125, Gas Well Shut-in Pressure Report.

CARLSBAD STRAWN, SOUTH GAS POOL

Joell #1-C-6-23-27

Little Jewell Com. #1-F-31-22-27

Very truly yours,

Leslie A. Clements
Supervisor, District II

LAC:fc

PER

EPN

xc: Mr. R. L. Stamets
P. O. Box 2088
Santa Fe, New Mexico 87501

BFC

Baruch-Foster Corporation

1160 ONE ENERGY SQUARE
4925 GREENVILLE AVENUE
DALLAS, TEXAS 75206
214/368-5886

RECEIVED BY
SEP 11 1985
OIL CONSERVATION DIVISION

September 9, 1985

El Paso Natural Gas Company
P.O. Box 1492
El Paso, Texas 79978
ATTN: Mr. W. G. Beadle, Manager

Re: Gas Commingling
Little Jewel No. 1
South Carlsbad Field
Morrow & Strawn
Eddy County, New Mexico

Gentlemen:

The New Mexico Oil Conservation Commission authorized surface commingling of the gas production from these reservoirs on August 22, 1985. Production is to be allocated between zones based on bi-annual well tests. The initial allocation should be 53% to Morrow and 47% to Strawn. Commingling of production began on September 6, 1985 at 8:00 a.m. MDT. The above split will apply through February, 1986.

Yours very truly,

BARUCH-FOSTER CORPORATION

J. F. Ellebracht
Vice-President
Production

JFE/ld

cc: NMOCC Division
P.O. Drawer DD
Artesia, NM 88210

Page Greene
Kirk Morgan
Terri Brubaker

RECEIVED BY
SEP 16 [illegible]
O. C. D.
ARTESIA, OFFICE

OIL CONSERVATION DIVISION
P. O. DRAWER DD
ARTESIA, NEW MEXICO 88210

DATE: September 10, 1985

NOTICE OF GAS CONNECTION

This is to notify the Oil Conservation Division that connection for the purchase of

gas from the Baruch-Foster Corporation
OPERATOR

Little Jewel #1 CPD, Eddy, F-31-22-27
LEASE & WELL; COUNTY; UNIT S-T-R

Strawn & Morrow, El Paso Natural Gas Company
POOL; NAME OF PURCHASER

was made on September 6, 1985, 22174-0-01
DATE; SITE CODE & SITE WELL NUMBER

EL PASO NATURAL GAS COMPANY
PURCHASER

Robert Patterson
ROBERT PATTERSON - Representative

Systems Dispatching Production Coordinator
Coordinator, Title

c: Oil Conservation Division
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87501

Production Control - M/O
Gas Purchases - M/O
Operator
Earl Smith, Production - Jal
Charlie Annett - Midland
Joe Robinson - Jal
Eunice Field Lines
Jal Field Lines
Bill Cranford - Jal
Carl Frymire - Jal
File

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
ARTESIA DISTRICT OFFICE

TONEY ANAYA
GOVERNOR

November 10, 1986

P.O. DRAWER DD
ARTESIA, NEW MEXICO 88210
(505) 748-1283

Baruch-Foster Corp.

1160 Energy Square
4925 Greenville Av.
Dallas, TX 76206

Re: Little Jewel Com #1
Ut. F-31-22-27

Allen #1 J-31-22-27

Gentlemen:

To date this office has not received the required annual Packer Leakage Test on the subject wells which was due no later than October 15.

Please notify this office in time to witness the test.

Failure to comply immediately may result in allowable cancellation.

Sincerely,

Mike Williams

Mike Williams
Oil & Gas Inspector

MW:br

BFC

Baruch-Foster Corporation

1160 ONE ENERGY SQUARE
4925 GREENVILLE AVENUE
DALLAS, TEXAS 75206
214/368 5886

January 30, 1987

State of New Mexico
Energy and Minerals Department
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

RECEIVED BY
FEB -4 1987
O. C. D.
ARTESIA, OFFICE

RE: Application for Classification as Hardship
Gas Well
Little Jewel Com. No. 1
South Carlsbad Field
Unit F, Section 31, T-22-S, R-27-E,
Eddy County, NM

Gentlemen:

Baruch-Foster Corporation, respectfully submits the subject application under Rule 409 and requests administrative approval per Rule 410. By copy of this letter and application to the Artesia District Office, a 90 day emergency hardship gas well classification is requested while our application is being processed.

Your favorable disposition of our application will prevent waste and loss of our natural gas resource.

Yours very truly,

BARUCH-FOSTER CORPORATION

J. F. Ellebracht
Vice President, Production

Attachments

JFE:kas

STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

February 6, 1987

Baruch-Foster Corp.
1160 One Energy Square
4925 Greenville Avenue
Dallas, Texas 75206

DISTRICT II EMGVC NO. 26

Re: Emergency Hardship Gas Well Classification

Little Jewel Com #1-F-31-22-27
South Carlsbad Strawn/Morrow Pool

Gentlemen:

Under provisions of Rule 411, you are hereby granted an emergency hardship classification for the above captioned well. This well is not to be produced in excess of 350 MCFD.

In the matter of permanent hardship classification for this well, it has been set for an examiners hearing on March 18, 1987.

Please notify Mr. Mike Williams, of this office, of your log-off test schedule.

Very truly yours,

Mike Williams

MW/ma

cc Jim Lyon
El Paso Natural Gas Co.
Florene Davidson
Harold Garcia
Mike Williams

(b) If reclassified to non-marginal, the well shall accumulate overproduction and underproduction but shall not be shut-in because of overproduction;

(c) The minimum approved flow rate for the well shall be 350 MCFD;

(e) The hardship classification shall be retained only until May 31, 1988, unless the operator obtains an extension thereof under the terms of Division Rule 412 A; and,

(f) The well shall be subject to all terms and provisions of Division Rule 412.

(2) The Director of the Division may grant an increase in the minimum flow rate for the well at any time upon a proper showing by the applicant that said increase is necessary to maintain production in the well and the following conditions are met:

(a) All offset operators and the transporter are notified by certified or registered mail of the applicant's intention to apply for an increase in the minimum flow rate for the well; and

(b) No objection to the proposed increase is entered within a period of 15 days.

(3) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

WILLIAM J. LEMAY
Director

S E A L

(5) The evidence presented indicates that this Morrow zone exhibits characteristics of a depleted low pressure/low volume reservoir, is susceptible to formation damage after shut-in, and is fluid sensitive.

(6) Presently there are no liquids being produced from this well and attempts to unload fluids by swabbing and the use of soap sticks have been unsuccessful. There are indications, however, that produced water is present in the formation at perforations and is causing the clays in the zone to swell, thereby restricting permeability and causing a loss of production.

(7) The evidence presented indicates that said Little Jewel Com Well No. 1 can be adequately produced at a rate of 350 MCF per day without causing the compressor to shut down and lose suction.

(8) The subject well is currently classified as a marginal well in the South Carlsbad-Morrow (Prorated) Gas Pool.

(9) No interested party appeared at the hearing to object to this application.

(10) At the time of the hearing the applicant requested that a provision be considered allowing administrative approval of an increase in the minimum flow rate for the well upon proper showing to the Division Director that such an increase is necessary and justified.

(11) To prevent waste, applicant's Little Jewel Com Well No. 1 should be designated a hardship gas well and be given priority access to the available market for gas.

(12) Such classification should be subject to the limitations described in Rule 412 of the Division's Rules and Regulations.

IT IS THEREFORE ORDERED THAT:

(1) The Baruch-Foster Corporation Little Jewel Com Well No. 1, located 1980 feet from the North line and 1900 feet from the West line (Unit F) of Section 31, Township 22 South, Range 27 East, NMPM, South Carlsbad-Morrow Gas Pool, Eddy County, New Mexico, is hereby designated as a hardship gas well subject to the following terms and conditions:

(a) The well will be given priority access to the available gas market;

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

RECEIVED
AUG 25 '87
O. C. D.
ARTESIA, OFFICE

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION DIVISION FOR THE PURPOSE OF CONSIDERING:

CASE NO. 9104
Order No. R-8482

APPLICATION OF BARUCH-FOSTER CORPORATION FOR HARDSHIP GAS WELL CLASSIFICATION, EDDY COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8:15 a.m. on April 8, 1987, at Santa Fe, New Mexico, before Examiner Michael E. Stogner.

NOW, on this 5th day of August, 1987, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS THAT:

(1) Due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.

(2) The applicant, Baruch-Foster Corporation, seeks a determination that its Little Jewel Com Well No. 1, located 1980 feet from the North line and 1900 feet from the West line (Unit F) of Section 31, Township 22 South, Range 27 East, NMPM, Eddy County, New Mexico, is a hardship gas well which should be granted priority access to pipeline takes in order to avoid waste.

(3) Said well was dually completed, pursuant to Administrative Order No. MC-1945 dated May 26, 1971, in the South Carlsbad-Strawn and South Carlsbad-Morrow Gas Pools in October 1971.

(4) Presently the well is on a compressor and producing only from the South Carlsbad-Morrow Gas Pool. This application should therefore consider hardship classification for the Morrow zone only.

BFC

Baruch-Foster Corporation

1160 ONE ENERGY SQUARE
4925 GREENVILLE AVENUE
DALLAS, TEXAS 75206
214/368-5886

RECEIVED
AUG 25 '87
O. C. D.
ARTESIA, OFFICE

August 24, 1987

El Paso Natural Gas Company
P.O. Box 1492
El Paso, Texas 79978

ATTN: Mr. B.G. Lane

RE: Approved Application for Classification
as Hardship Gas Well
Little Jewel Com. No. 1
South Carlsbad ~~Field~~,
Unit F, Section 31, T22S, R27E
Eddy County, New Mexico

Gentlemen:

Attached is a copy of Order No. R-8482 approving Baruch-Foster's application for Classification as Hardship Gas Well for its Little Jewel Com. No. 1 Well.

If you need additional information, please advise.

Yours very truly,

BARUCH-FOSTER CORPORATION

J.F. Ellebracht
Vice President of Production

JFE/tsm

Attachment

cc: State of New Mexico
Energy and Minerals Department
Oil Conservation Division
P.O. Drawer DD
Artesia, NM 88210

Kirk Morgan, Sr.

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

May 18, 1988

RECEIVED
MAY 20 '88
O. C. D.
ARTESIA, OFFICE

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

Unique Engineering Inc.
P. O. Box 5970
Hobbs, New Mexico 88241

Re: Order R-8482, Baruch-Foster, Little Jewell #1
South Carlsbad-Morrow Pool, Eddy County
New Mexico

Gentlemen:

Your letter dated May 13, 1988 requested extension for one year of the subject order which granted hardship classification for the subject well. It is noted the well is now classified non-marginal in the subject pool but is underproduced.

Order R-8482 is hereby extended to May 31, 1989 under the same conditions and minimum flow rate of 350 MCFD.

Yours very truly,

V. T. LYON,
Deputy Director

VTL/dr

cc: Mike Williams - Artesia
Harold Garcia
Allen Armijo
Case File

Submit 5 Copies
Appropriate District Office
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

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

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

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

Form C-104
Revised 1-1-89
See Instructions
at Bottom of Page

C15E GT-2 Up

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I.

Operator: Hadson Energy Resources Corporation

Well API No.: 30-015-20368

Address: P.O. Box 25956, Oklahoma City, OK 73125-0956

Reason(s) for Filing (Check proper box)

- New Well [ ]
- Recompletion [ ]
- Change in Operator [X]
- Change in Transporter of: Oil [ ] Dry Gas [ ] Casinghead Gas [ ] Condensate [ ]
- Other (Please explain) [ ]

If change of operator give name and address of previous operator: Hadson Petroleum (USA), Inc., P.O. Box 26770, Oklahoma City, OK 73126

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Little Jewel Com.	1	South Carlsbad (Morrow) STRAWN	State, Federal or Fee Fee	

Location

Unit Letter F : 1980 Feet From The North Line and 1900 Feet From The West Line

Section 31 Township ~~32S~~ 22S Range 27E , NMPM, Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil [ ] or Condensate [ ]	Address (Give address to which approved copy of this form is to be sent)

Name of Authorized Transporter of Casinghead Gas [ ] or Dry Gas [X]	Address (Give address to which approved copy of this form is to be sent)
Llano, Inc. - 25% El Paso Natural Gas Co. - 75%	P.O. Box 1320, Hobbs, NM 88240 P.O. Box 1492, El Paso, TX 79978

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When ?
					Yes	9/30/71 10/05/76

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

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.

Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth

Perforations	Depth Casing Shoe

TUBING, CASING AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
			Part ID-3 4-16-93 chg op name

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL *(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)*

Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	

Length of Test	Tubing Pressure	Casing Pressure	Choke Size

Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas- MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate

Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR CERTIFICATE OF COMPLIANCE

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

Signature: Bruce E. Hankins

Printed Name: Bruce E. Hankins — Title: Engineering Technician

Date: 04/06/93 — Telephone No.: (405)232-2212

OIL CONSERVATION DIVISION

Date Approved: APR 12 1993

By: ORIGINAL SIGNED BY
MIKE WILLIAMS
SUPERVISOR, DISTRICT II

Title

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
2) All sections of this form must be filled out for allowable on new and recompleted wells.
3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
4) Separate Form C-104 must be filed for each pool in multiply completed wells.

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
ARTESIA DISTRICT OFFICE

BRUCE KING
GOVERNOR

New Mexico DRUG FREE It's a State of Mind!

ANITA LOCKWOOD
CABINET SECRETARY

May 4, 1994

Hadson Energy Res. Corp.
P.O. Box 25956
Okla City, OK 73125-0956

Re: Delinquent Packer Leakage Tests
Allen #1 J-31-22S-27E and Little Jewel #1 F-31-22S-27E

Segregation and/or packer leakage tests are to be run on the above wells and filed with this office annually by October 15.

To date, annual tests for 1993 have not been submitted on either of the subject wells. Packer leakage tests should be conducted as soon as possible and this office notified 24 hours in advance, in order that the tests may be witnessed.

Southeast New Mexico Packer Leakage Test forms should be submitted in triplicate and must be accompanied by one original test chart.

Failure to comply could result in cancellation of allowable. If you have any questions concerning this matter or need assistance please feel free to contact Ray Smith or Betty Rollins of this office.

Sincerely,

Ray Smith,
Oil & Gas Inspector, Dist. II

RS:br

ONE PETROLEUM CENTER/BUILDING 8, SUITE 220/3300 NORTH A STREET/MIDLAND, TX 79705

CORPORATION

915/683-6511 • FAX 915/683-6550

June 22, 1994

RECEIVED

JUN 23 '94

O. C. D.
ARTESIA, OFFICE

State of New Mexico
Energy, Minerals and Natural Resources Department
P. O. Drawer DD
Artesia, NM 88211
Attn: Ray Smith

Re: Little Jewel Com #1
Allen #1

Mr. Smith,

Please find the attached packer leakage tests for the above referenced wells. Hadson Energy Resources Corporation was purchased by Apache Corporation in late 1993. These packer tests were performed during this time but were never filed. Apache will re-run these tests in September, 1994 and forward the results to your office.

Should you have any questions or require additional information, please contact me at (915) 683-6511.

Sincerely,

Apache Corporation

Tim Wall
Production Manager

TOW/sg

attachments

(Main Office)
Apache Corp
2000 Post Oak Blvd, Ste. 100
Houston, TX 77056
ATTn: Frances Beyers

BR

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
ARTESIA DISTRICT OFFICE

BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

October 7, 1994

Apache Corporation
One Pet. Center, Bldg 8, Ste. 220
3300 North A Street
Midland, TX 79705

Tim Wall
Production Manager

Please find enclosed C-104 forms. Our records show Hadson Energy Resources Corp. as operator of Little Jewel Com #1 and Allen #1. In order to update our records we must have on file an approved C-104 changing operator from Hadson to Apache Corporation.

If you have any questions please feel free to contact me this office. (505-748-1283)

Thank You,

Ray Smith
Oil & Gas Inspector

RS:br

P.O. DRAWER DD ARTESIA, NEW MEXICO 88211 (505) 748-1283

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980
DISTRICT II
P.O. Box Drawer DD, Artesia, NM 88211-0719
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
DISTRICT IV
P.O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

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

☐ AMENDED REPORT

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

1 Operator Name and Address	2 OGRID Number
APACHE ENERGY RESOURCES CORP. 200 POST OAK BLVD., SUITE 100 HOUSTON, TX 77056-4400	9761
	3 Reason for Filing Code: NW 1-1-95

4 API Number	5 Pool Name	6 Pool Code
30-015-20368	CARLSBAD, STRAWN, SOUTH	74120
7 Property Code	**8 Property Name**	**9 Well No.**
004862	LITTLE JEWEL COM	1

10 Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
F	31	22S	27E		1980	NORTH	1980	West	EDDY

11 Bottom Hole Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County

12 Lse Code	13 Producing Method Code	14 Gas Connection Date	15 C-129 Permit Number	16 C-129 Effective Date	17 C-129 Expiration Date

III. Oil and Gas Transporters

18 Transporter OGRID	19 Transporter Name and Address	20 POD	21 O/G	22 POD ULSTR Location and Description
007057	EL PASO NATURAL GAS CO. BOX 1492 EL PASO, TX 79978	1045830	G	
007057	EL PASO NATURAL GAS CO. BOX 1492 EL PASO, TX 79978	2804611	O	

RECEIVED
JUL 06 1995
OIL CON. DIV.
DIST. 2

IV. Produced Water

23 POD	24 POD ULSTR Location and Description
2804612	

V. Well Completion Data

25 Spud Date	26 Ready Date	27 Total Depth	28 PBTD	29 Perforations

30 HOLE SIZE	31 CASING & TUBING SIZE	32 DEPTH SET	33 SACKS CEMENT
			Ltr ID-3 7-28-95 ok to

VI. Well Test Data

34 Date New Oil	35 Gas Delivery Date	36 Date of Test	37 Length of Test	38 Tubing Pressure	39 Casing Pressure
40 Choke Size	**41 Oil - Bbls.**	**42 Water - Bbls.**	**43 Gas - MCF**	**44 AOF**	**45 Test Method**

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

Signature: Pamela M. Leighton

Printed Name: PAMELA M. LEIGHTON

Title: CLERK

Date: Telephone: (713)296-7120

OIL CONSERVATION DIVISION

Approved By: _____

Title: SUPERVISOR, DISTRICT II

Approval Date: JUL 24 1995

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

9761	HADSON ENERGY RESOURCES CORP	PAMELA M. LEIGHTON	CLERK	7/3/95
	Previous Operator Signature	Printed Name	Title	Date

DeSoto/Nichols 10/94 ver 2.0

P. O. Box 1980, Hobbs, NM 88241-1980
DISTRICT II
P. O. Box Drawer DD, Artesia, NM 88211-0719
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
DISTRICT IV
P. O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Departme

OIL CONSERVATION DIVISION

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

Form C-104
Revised February 10,1994
Instructions on back
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☒ AMENDED REPORT

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

Operator Name and Address	OGRID Number	Reason for Filing Code
APACHE ENERGY RESOURCES CORP. 2000 POST OAK BLVD., SUITE 100 HOUSTON, TX 77056-4400	9761	CO-EFF.7/1/95

API Number	Pool Name	Pool Code
3001520368	CARLSBAD, STRAWN, SOUTH	74120

Property Code	Property Name	Well No.
004862	LITTLE JEWEL COM	1

Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
F	31	22S	27E		1980	North	1900	West	EDDY

Bottom Hole Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County

Lse Code	Producing Method Code	Gas Connection Date	C-129 Permit Number	C-129 Effective Date	C-129 Expiration Date

III. Oil and Gas Transporters

Transporter OGRID	Transporter Name and Address	POD	O/G	POD ULSTR Location and Description
020445	SCURLOCK PERMIAN CORP. P.O. BOX 4648 HOUSTON, TX 77210	2804611	O	
007057	EL PASO NATURAL GAS CO. BOX 1492 EL PASO, TX 79978	1045830	G	

IV. Produced Water

POD	POD ULSTR Location and Description
2804612	

V. Well Completion Data

Spud Date	Ready Date	Total Depth	PBTD	Perforations

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

VI. Well Test Data

Date New Oil	Gas Delivery Date	Date of Test	Length of Test	Tubing Pressure	Casing Pressure

Choke Size	Oil - Bbls.	Water - Bbls.	Gas - MCF	AOF	Test Method

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

Signature: Pamela M. Leighton

Printed Name: PAMELA M. LEIGHTON

Title: CLERK

Date: 8/11/95 Telephone: (713)296-7120

OIL CONSERVATION DIVISION

Approved By: ORIGINAL SIGNED BY TIM W. GUM

Title: DISTRICT II SUPERVISOR

Approval Date: AUG 15 1995

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

Previous Operator Signature	Printed Name	Title	Date

DeSoto/Nichols 10/94 ver 2.0

P.O. Box 1980, Hobbs, NM 88241-1980
DISTRICT II
P.O. Box Drawer DD, Artesia, NM 88211-0719
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
DISTRICT IV
P.O. Box 2088, Santa Fe, NM 87504-2088

STATE OF NEW MEXICO
Energy, Minerals and Natural Resources Depart.

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

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☐ AMENDED REPORT

C/SF
LT
CT
OP

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

1 Operator Name and Address	2 OGRID Number
Apache Corporation 2000 Post Oak Blvd - Ste 100 Houston, TX 77056-4400	~~9761~~ 873
	3 Reason for Filing Code: CH 11/1/95

4 API Number	5 Pool Name	6 Pool Code
30-015-20368	Carlsbad, Strawn, South	74120
7 Property Code	**8 Property Name**	**9 Well No.**
~~004862~~ 18293	Little Jewel Com	1

10 Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
F	31	22S	27E		1980	North	1900	West	Eddy

11 Bottom Hole Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County

12 Lse Code	13 Producing Method Code	14 Gas Connection Date	15 C-129 Permit Number	16 C-129 Effective Date	17 C-129 Expiration Date

III. Oil and Gas Transporters

18 Transporter OGRID	19 Transporter Name and Address	20 POD	21 O/G	22 POD ULSTR Location and Description
020445	Scurlock Permian Corp P O Box 4648 Houston, TX 77210	2804611	O	
007057	El Paso Natural Gas Co P O Box 1492 El Paso, TX 79978	1045830	G	

IV. Produced Water

23 POD	24 POD ULSTR Location and Description
2804612	

V. Well Completion Data

25 Spud Date	26 Ready Date	27 Total Depth	28 PBTD	29 Perforations

30 HOLE SIZE	31 CASING & TUBING SIZE	32 DEPTH SET	33 SACKS CEMENT
			Post ID-3 2-9-96 chg ops

VI. Well Test Data

34 Date New Oil	35 Gas Delivery Date	36 Date of Test	37 Length of Test	38 Tubing Pressure	39 Casing Pressure

40 Choke Size	41 Oil - Bbls.	42 Water - Bbls.	43 Gas - MCF	44 AOF	45 Test Method

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

Signature: Julia T North

Printed Name: Julia T North

Title: Sr Regulatory Analyst

Date: 1/9/96 Telephone: 713/296-7122

OIL CONSERVATION DIVISION

Approved By: SUPERVISOR, DISTRICT II

Title:

Approval Date: JAN 18 1996

47 If this is a change of operator fill in the OGRID number and name of the previous operator
Apache Energy Resources Corp #9761

Previous Operator Signature: Julia T North Printed Name: Julia T North Title: Sr Regulatory Analyst Date: 1/9/96

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

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[X] AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] Operator name and Address	[2] OGRID Number
Apache Corporation 2000 Post Oak Blvd - Ste 100 Houston, TX 77056-4400	0873
	[3] Reason for Filing Code Correction CH eff date: 1/1/96

[4] API Number	[5] Pool Name	[6] Pool Code
30 - 015-20368	Carlsbad Morrow, South (Prorated Gas)	73960

[7] Property Code	[8] Property Name	[9] Well Number
18293	Little Jewel Com	001

II. [10] Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
F	31	22S	27E		1980	N	1900	W	Eddy

[11] Bottom Hole Location

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

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date
F					

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] POD	[21] O/G	[22] POD ULSTR Location and Description
020445	Scurlock Permian Corp PO Box 4648 Houston, TX 77210	2804611	O	
007057	El Paso Natural Gas Co PO Box 1492 El Paso, TX 79978	1045830	G	

RECEIVED
OCT 7 1996

IV. Produced Water

[23] POD	[24] POD ULSTR Location and Description
2804612	

V. Well Completion Data

[25] Spud Date	[26] Ready Date	[27] TD	[28] PBTD	[29] Perforations	[30] DHC, DC,MC

[31] Hole Size	[32] Casing & Tubing Size	[33] Depth Set	[34] Sacks Cement

VI. Well Test Data

[35] Date New Oil	[36] Gas Delivery Date	[37] Test Date	[38] Test Length	[39] Tbg. Pressure	[40] Csg. Pressure

[41] Choke Size	[42] Oil	[43] Water	[44] Gas	[45] AOF	[46] Test Method

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

Signature: Julia North
Printed name: Julia North
Title: Sr Production Analyst
Date: 10/1/96 Phone: 713-296-7122

OIL CONSERVATION DIVISION

Approved by: SUPERVISOR, DISTRICT II
Title:
Approval Date: OCT 18 1996

[47] If this is a change of operator fill in the OGRID number and name of the previous operator
Apache Energy Resources Corp #9761

Previous Operator Signature	Printed Name	Title	Date
Julia North	Julia North	Sr Production Analyst	10/1/96

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

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☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] Operator name and Address	[2] OGRID Number
Bristol Resources Corporation 6655 S. Lewis - Ste 200 Tulsa, OK 74136	002894
	[3] Reason for Filing Code CH - Effective 1/1/97

[4] API Number	[5] Pool Name	[6] Pool Code
30 - 0 15-20368	Carlsbad Morrow, South (Prorated Gas)	73960
[7] Property Code	**[8] Property Name**	**[9] Well Number**
~~18293~~ 20257	Little Jewel Com	001

II. [10] Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
F	31	22S	27E		1980	North	1900	West	Eddy

[11] Bottom Hole Location

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

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date
P					

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] POD	[21] O/G	[22] POD ULSTR Location and Description
020445	Scurlock Permian Corp. PO Box 4648 Houston, TX 77210	2804611	O	
007057	El Paso Natural Gas Co. PO Box 1492 El Paso, TX 79978	1045830	G	

IV. Produced Water

[23] POD	[24] POD ULSTR Location and Description
2804612	

V. Well Completion Data

[25] Spud Date	[26] Ready Date	[27] TD	[28] PBTD	[29] Perforations	[30] DHC, DC,MC

[31] Hole Size	[32] Casing & Tubing Size	[33] Depth Set	[34] Sacks Cement
			Post ID 1-31-97 chg api

VI. Well Test Data

[35] Date New Oil	[36] Gas Delivery Date	[37] Test Date	[38] Test Length	[39] Tbg. Pressure	[40] Csg. Pressure

[41] Choke Size	[42] Oil	[43] Water	[44] Gas	[45] AOF	[46] Test Method

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

Signature: Lori Livingston

Printed name: Lori Livingston

Title: Production Supervisor

Date: 12/20/96 Phone: 918-492-7900

OIL CONSERVATION DIVISION

Approved by: SUPERVISOR, DISTRICT II

Title:

Approval Date: JAN 27 1997

[48] If this is a change of operator fill in the OGRID number and name of the previous operator

#000873 Apache Corporation

Previous Operator Signature	Printed Name	Title	Date
Julia North	Julia North	Sr Regulatory Analyst	12/20/96

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

State of New Mexico
Energy, Minerals & Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-104
Revised March 25, 1999

Submit to Appropriate District Office
5 Copies

[x] AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] Operator name and Address	[2] OGRID Number
CHAPARRAL ENERGY, INC. 701 CEDAR LAKE BLVD. OKLAHOMA CITY, OK 73114	004115
	[3] Reason for Filing Code: CH – EFFECTIVE 07/01/00 (NEED POD)

[4] API Number	[5] Pool Name	[6] Pool Code
30 – 015-20368	CARLSBAD MORROW, SOUTH (Prorated Gas)	73960
[7] Property Code	[8] Property Name	[9] Well Number
~~30257~~ 26959	LITTLE JEWEL COM	001

II. [10] Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
F	31	22S	27E		1980	NORTH	1900	WEST	EDDY

[11] Bottom Hole Location

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

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date
P					

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] POD	[21] O/G	[22] POD ULSTR Location and Description
167356	SKURLOCK PERMIAN LLC	J3C 11611	O	
032109	LG&E NATURAL GATHERING & PROC CO.	M 15830	G	

IV. Produced Water

[23] POD	[24] POD ULSTR Location and Description
2804612	

V. Well Completion Data

[25] Spud Date	[26] Ready Date	[27] TD	[28] PBTD	[29] Perforations	[30] DHC, MC

[31] Hole Size	[32] Casing & Tubing Size	[33] Depth Set	[34] Sacks Cement

VI. Well Test Data

[35] Date New Oil	[36] Gas Delivery Date	[37] Test Date	[38] Test Length	[39] Tbg. Pressure	[40] Csg. Pressure
[41] Choke Size	[42] Oil	[43] Water	[44] Gas	[45] AOF	[46] Test Method

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

Signature: Mark A. Fischer

Printed name: MARK A. FISCHER

Title: PRESIDENT

Date: 09/26/00 Phone: (405) 478-8770

OIL CONSERVATION DIVISION

Approved by: BY TIM W. GUM

Title: DISTRICT II SUPERVISOR

Approval Date: OCT 27 2000

[48] If this is a change of operator fill in the OGRID number and name of the previous operator 02894 – BRISTOL RESOURCES CORPORATION

Previous Operator Signature: H. Malcolm Lovett, Jr. President/Director 09/26/00

Printed Name Title Date

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Betty Rivera
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

8/17/01

Chaparral Energy Inc.
701 Cedar Lake Blvd.
Oklahoma City, OK. 73114

Dear Sirs:

A segregation and/or packer leakage test is to be filed with this office annually. Please test the subject well(s) and send the results no later than 15 October, 2003.

Please notify this office 72 hours prior to the test in order that our representative may be present to witness the test.

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST forms should be submitted in triplicate. Please send the original and two copies of the test chart.

If you no longer operate the well(s) listed, have received a down hole commingle permit, or abandoned one zone please contact me at 505-748-1283.

Well	LOCATION	API #
LITTLE JEWEL COM #001	F-31-22S-27E	30-015-20368

In the event that a satisfactory response is not received to this letter 15 October, 2003, further enforcement will occur. Such enforcement may include this office applying to the Division for an order summoning you to a hearing before a Division Examiner in Santa Fe to show cause why you should not be ordered to permanently plug and abandon this well. Such a hearing may result in imposition of **CIVIL PENALTIES** for your violation of OCD rules.

Sincerely,

Van Barton
Field Rep. II

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

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

RECEIVED
OCT 30 2003
OCD-ARTESIA

Form C-104
Revised June 10, 2003

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] Operator name and Address	[2] OGRID Number
Chaparral Energy, LLC 701 Cedar Lake Blvd. Oklahoma City, OK 73114	004115
	[3] Reason for Filing Code/ Effective Date CO 11/1/03

[4] API Number	[5] Pool Name	[6] Pool Code
30 - 015-20368	Carlsbad Morrow South	73960
[7] Property Code	[8] Property Name	[9] Well Number
26959	Little Jewel	1

II. [10] Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/~~South~~ Line	Feet from the	~~East~~/West line	County
F	31	22S	27E		1980		1900		Eddy

[11] Bottom Hole Location

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

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] POD	[21] O/G	[22] POD ULSTR Location and Description
7440	Link Energy PO Box 1188 Houston, TX 77252	2804611	O	

IV. Produced Water

[23] POD	[24] POD ULSTR Location and Description

V. Well Completion Data

[25] Spud Date	[26] Ready Date	[27] TD	[28] PBTD	[29] Perforations	[30] DHC, MC

[31] Hole Size	[32] Casing & Tubing Size	[33] Depth Set	[34] Sacks Cement

VI. Well Test Data

[35] Date New Oil	[36] Gas Delivery Date	[37] Test Date	[38] Test Length	[39] Tbg. Pressure	[40] Csg. Pressure
[41] Choke Size	**[42] Oil**	**[43] Water**	**[44] Gas**	**[45] AOF**	**[46] Test Method**

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

Signature: Leigh Kuykendall

Printed name: Leigh Kuykendall

Title: Engineering Tech

E-mail Address: leighk@chaparralenergy.com

Date: 10/27/03

Phone: 405.478.8770 x 1211

OIL CONSERVATION DIVISION

Approved by: Jim W. Gum

Title: District Supervisor

Approval Date: NOV 01 2003

Submit 3 Copies to Appropriate Dist. Office

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

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

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

Revised 1-1-89

INSTRUCTIONS ON REVERSE SIDE

This form is not to be used for reporting packer leakage tests in Northwest New Mexico

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

30-015-20368

Operator			Lease		Well No.
Chaparral Energy, LLC			Little Jewel		1
Location of Well: Unit	Sec.	Twp	Rge	County	
F	31	22S	27E	Eddy	

	Name of Reservoir or Pool	Type of Prod. (Oil or Gas)	Method of Prod. Flow, Art Lift	Prod. Medium (Tbg. or Csg)	Choke Size
Upper Compl	S. Carlsbad Strawn	Gas	Flow	Csg	Open
Lower Compl	S. Carlsbad Morrow	Gas	Flow	Tbg	Open

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 11/16/03 4:00 pm

Well opened at (hour, date): 11/20/03 4:00 pm

	Upper Completion	Lower Completion
Indicate by (X) the zone producing	X	
Pressure at beginning of test	52	180
Stabilized? (Yes or No)	Yes	Yes
Maximum pressure during test	29	185
Minimum pressure during test	28	180
Pressure at conclusion of test	28	180
Pressure change during test (Maximum minus Minimum)	1	5
Was pressure change an increase or a decrease?	Decrease	Decrease

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DEC 12 2003
OCD-ARTESIA

Well closed at (hour, date): 11/21/03 4:00 pm Total Time On Production: 24 hrs

Oil Production During Test: 0 bbls; Grav. NA Gas Production During Test: 282 MCF; GOR

Remarks

FLOW TEST NO. 2

Well opened at (hour, date): 11/18/03 4:00 pm

	Upper Completion	Lower Completion
Indicate by (X) the zone producing		X
Pressure at beginning of test	52	180
Stabilized? (Yes or No)	Yes	Yes
Maximum pressure during test	29	60
Minimum pressure during test	29	60
Pressure at conclusion of test	29	60
Pressure change during test (Maximum minus Minimum)	Same	Same
Was pressure change an increase or a decrease?	Same	Same

Well closed at (hour, date) 11/18/03 4:00 pm Total time on Production: 24 hrs

Oil production During Test: 0.7 bbls; Grav. 52.5 ; Gas Production During Test: 618 MCF; GOR

Remarks

OPERATOR CERTIFICATE OF COMPLIANCE

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

Chaparral Energy, LLC
Operator

Leigh Kuykendall
Signature

Leigh Kuykendall, Engineering Tech
Printed Name Title

12/9/03 405 478 8770 x 1211
Date Telephone No.

OIL CONSERVATION DIVISION

Date Approved: APPROVED DEC 15 2003

By: CSS

Title: Field Rep II

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NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

12 December 2003

Chaparral Energy Inc.
701 Cedar Lake Blvd.
Oklahoma City, OK. 73114

Dear Sirs:

This is your second notice!

A segregation and/or packer leakage test is to be filed with this office annually. Please test the subject well(s) and send the results no later than 31 January, 2004.

Please notify this office 72 hours prior to the test in order that our representative may be present to witness the test.

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST forms should be submitted in triplicate. Please send the original and two copies of the test chart.

If you no longer operate the well(s) listed, have received a down hole commingle permit, or abandoned one zone please contact me at 505-748-1283.

Well	LOCATION	API #
LITTLE JEWEL COM #001	F-31-22S-27E	30-015-20368

In the event that a satisfactory response is not received to this letter 31 January, 2004 further enforcement will occur. Such enforcement may include this office applying to the Division for an order summoning you to a hearing before a Division Examiner in Santa Fe to show cause why you should not be ordered to permanently plug and abandon this well. Such a hearing may result in imposition of **CIVIL PENALTIES** for your violation of OCD rules.

Sincerely,

Van Barton
Field Rep. II

This form is not to be used For reporting Packer Leakage Test in Northwest New Mexico

NEW MEXICO OIL CONSERVATION DIVISION
SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Revised June 9, 2003

Well 30-015-20368

Operator Chaparral Energy, LLC Lease Little Jewel Com No. 1

Location Of Well: Unit F Section 31 Township 22S Range 27E County Eddy

	Name of Reservoir or Pool	Type of Prod. (Oil or Gas)	Method of Prod. (Flow Art. Lift)	Prod. Medium (Tbg. Or Cag.)	Choke Size
Upper Completion	S. Carlsbad Strawn	Gas	Flow	Csg	Open
Lower Completion	S. Carlsbad Morrow	Gas	Flow	Tbg	Open

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 10/4/04 2:00 pm

Well opened at (hour, date): 10/5/04 2:00 pm

	Upper Completion	Lower Completion
Indicate by (X) the zone producing		X
Pressure at beginning of test		54
Stabilized? (Yes or No)		Yes
Maximum pressure during test		53
Minimum pressure during test		53
Pressure at conclusion of test		53
Pressure change during test (Maximum minus Minimum)		1
Was pressure change an increase or a decrease?		Decrease

Well closed at (hour, date): 10/6/04 2:00 pm Total Time On Production 24 hrs

Oil Production During Test: 0 bbls; Grav. NA ; Gas Production During Test 357 MCF; GOR NA

Remarks:

FLOW TEST NO. 2

Both zones shut-in at (hour, date): 10/6/04 2:00 pm

Well opened at (hour, date): 10/7/04 2:00 pm

	Upper Completion	Lower Completion
Indicate by (X) the zone producing	X	
Pressure at beginning of test	33	
Stabilized? (Yes or No)	Yes	
Maximum pressure during test	31	
Minimum pressure during test	31	
Pressure at conclusion of test	31	
Pressure change during test (Maximum minus Minimum)	2	
Was pressure change an increase or a decrease?	Decrease	

Well closed at (hour, date): 10/8/04 2:00 pm Total Time On Production 24 hrs

Oil Production During Test: 0 bbls; Grav. NA ; Gas Production During Test 554 MCF; GOR NA

Remarks:

Leigh Kuykendall

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

RECEIVED
NOV 0 2 2004
OCD-ARTESIA

Approved NOV 3 2004 20

New Mexico Oil Conservation Division

By

Title Field Rep II

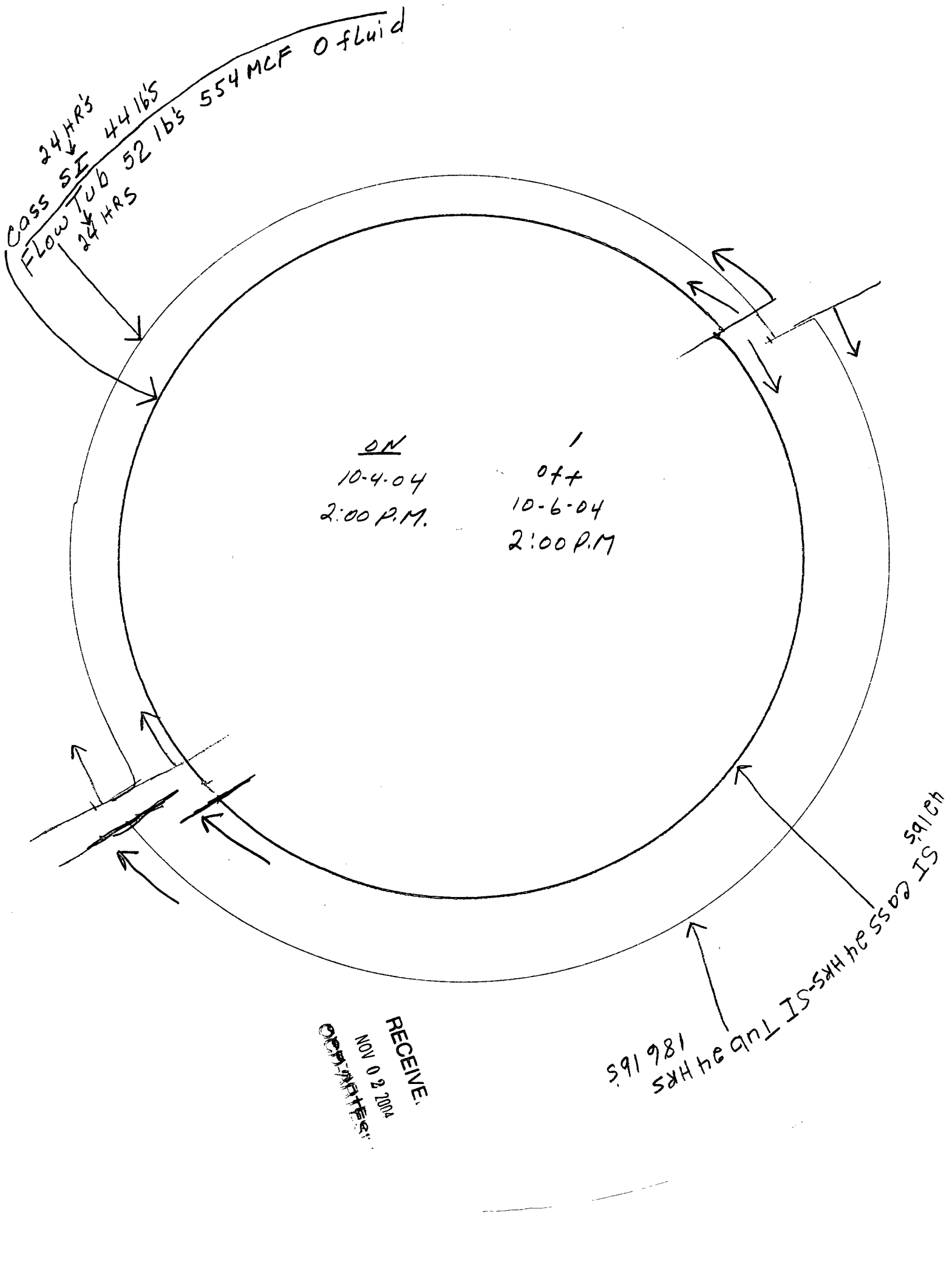
Operator Chaparral Energy, LLC

By Leigh Kuykendall

Title Engineering Tech

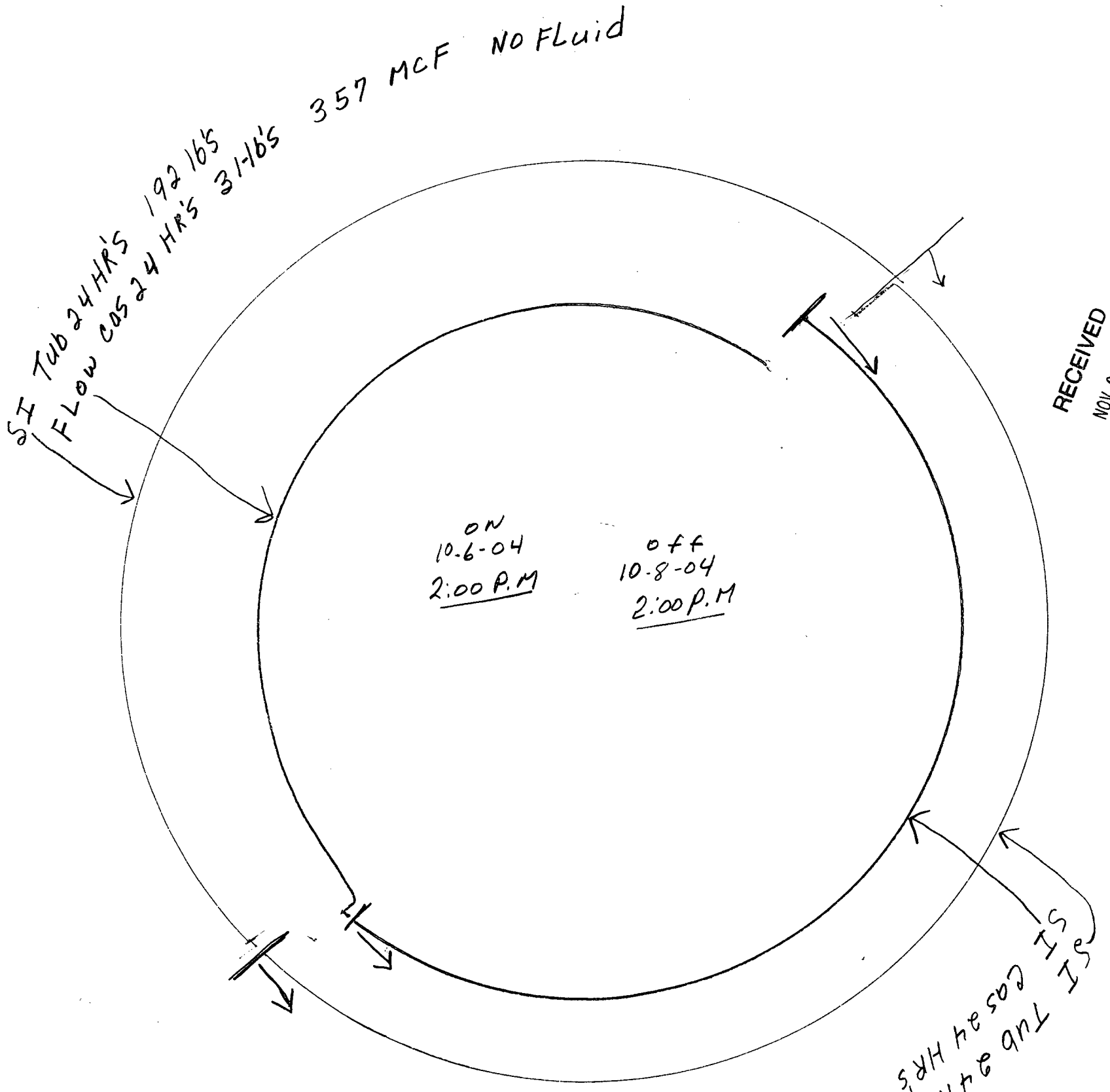
E-mail Address leighk@chaparralenergy.com

Date 10/29/04



RECEIVED
NOV 02 2004
DENVER

SI Tub 24 HR's 192 lb's
Flow Cas 24 HR's 31 lb's 357 MCF NO Fluid



SI Tub 24 HR's 186 lb's
SI Cas 24 HR's 44 lb's

RECEIVED
NOV 0 2 2004

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Mark E. Fesmire, P.E.
Director
Oil Conservation Division

23 September 2005

MURCHISON OIL & GAS INC
1100 MIRA VISTA BLVD
Plano, Texas 75093-4698

Dear Sir or Madam:

A segregation and/or packer leakage test is to be filed with this office annually. Please test and chart the subject well(s), fill out a Southeast Packer Leakage Test form, and send the results to this office on or before 30 November, 2005.

Please notify this office 72 hours prior to the test in order that our representative may be present to witness the test.

Southeast New Mexico Packer Leakage Test forms and test charts;
Please submit the original charts and form(s) and one copy of each.

If you no longer operate the well(s) listed, have received a down hole commingle permit, or abandoned one zone please contact me at 505-748-1283.

Well	LOCATION	API #
LITTLE JEWEL COM #001	F-31-22S-27E	30-015-20368

In the event that a satisfactory response is not received to this letter 31 October, 2004, further enforcement will occur. Such enforcement may include this office applying to the Division for an order summoning you to a hearing before a Division Examiner in Santa Fe to show cause why you should not be ordered to permanently plug and abandon this well. Such a hearing may result in imposition of **CIVIL PENALTIES** for your violation of OCD rules.

Sincerely,

Van Barton
Field Supervisor

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Mark E. Fesmire, P.E.
Director
Oil Conservation Division

INSTRUCTIONS FOR SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

1. A packer leakage test shall be commenced on each multiply completed well within seven days after actual completion of the well, and annually thereafter as prescribed by the order authorizing the multiple completion. Such test shall also be commenced on all multiple completions within seven days following recompletion and/or chemical or fracture treatment, and whenever remedial work has been done on a well during which the packer or the tubing have been disturbed. Tests shall also be taken any time that communication is suspected or when requested by the Division.

2. **At least 72 hours prior to the commencement of any packer leakage test**, the operator shall notify the District of the exact time the test is to be commenced. Please contact

Van Barton
505-748-1283 ext. 109

3. The packer leakage test shall commence when both zones of the dual completion are shut-in for pressure stabilization. Both zones shall remain shut-in until the well-head pressure in each has stabilized and for minimum of two hours thereafter, provided, however, that they need not remain shut-in more than 24 hours.

4. For Flow Test No. 1, one zone of the dual completion shall be produced at the normal rate of production while the other zone remains shut-in. Such test shall be continued until the flowing wellhead pressure has become stabilized and for minimum of two hours thereafter, provided however, that the flow test need not continue for more than 24 hours.

5. Following completion of Flow Test No. 1, the well shall again be shut-in, in accordance with Paragraph 3 above.

6. Flow Test No. 2 shall be conducted even though no leak was indicated during Flow Test No. 1. Procedure for Flow Test No. 2 is to be the same as for Flow Test No. 1 except that the previously produced zone shall remain shut-in while the previously shut-in zone is produced.

7. All pressures, throughout the entire test, shall be continuously measured and recorded with recording pressure gauges, the accuracy of which must be checked with deadweight tester at least twice, once at the beginning and once at the end, of each flow test.

8. The results of the above-described tests shall be filed in duplicate within immediately after completion of the test. Tests shall be filed with the appropriate District Office of the New Mexico Oil Conservation Division on Southeast New Mexico Packer Leakage Test Fore Revised 1-1-89, together with the original pressure recording gauge charts with all the deadweight pressures which were taken indicated thereon. In lieu of filing the aforesaid charts, the operator may construct a pressure versus time curve from each zone of each test, indicating thereon all pressure changes which may be reflected by the gauge charts as well as all deadweight pressure readings which were taken. If the pressure curve is submitted, the original chart must be permanently filed in the operator's office.

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Mark E. Fesmire, P.E.
Director
Oil Conservation Division

4 October 2005

Chaparral Energy Inc.
701 Cedar Lake Blvd.
Oklahoma City, Oklahoma 73114

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Southeast New Mexico Packer Leakage Test forms and test charts;
Please submit the **original** charts and form(s) and one copy of each.

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Well	LOCATION	API #
LITTLE JEWEL COM #001	F-31-22S-27E	30-015-20368

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Sincerely,

Van Barton
Field Supervisor

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Mark E. Fesmire, P.E.
Director
Oil Conservation Division

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Van Barton
505-748-1283 ext. 109

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30-015-21551

1-21-76
Dual Laterlog
5594 - [illegible]
Compensated Neutron
Formation Density
0-11993

NC Tops DCM 9/27/91

Tx	350?
Bx	1645
Delaware	2065
Bone Spring	5438
Wolfcamp	8840

NC tops/LLB

Penn. - 10117
Strawn - 10265
Atoka - 10635
Mor ls. - 11149
Mor cl. - 11414

C

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OPERATOR		

RECEIVED
NEW MEXICO OIL CONSERVATION COMMISSION
MAY 21 1975
O. C. C.
ARTESIA, OFFICE

30-015-21551
Form C-101
Revised 1-1-65

5A. Indicate Type of Lease: STATE [ ] FEE [X]
5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
b. Type of Well: DRILL [X] DEEPEN [ ] PLUG BACK [ ]
OIL WELL [ ] GAS WELL [X] OTHER SINGLE ZONE [X] MULTIPLE ZONE [ ]

7. Unit Agreement Name

8. Farm or Lease Name: Mary K. Knobel ~~Unit~~

2. Name of Operator: Cotton Petroleum Corporation

9. Well No.: 1

3. Address of Operator: 816 Building of the Southwest, Midland, Texas 79701

10. Field and Pool, or Wildcat: So. Carlsbad-Morrow

4. Location of Well: UNIT LETTER J LOCATED 1980 FEET FROM THE South LINE AND 1980 FEET FROM THE East LINE OF SEC. 32 TWP. 22S RGE. 27E NMPM

12. County: Eddy

19. Proposed Depth	19A. Formation	20. Rotary or C.T.
12,000'	Morrow	Rotary

21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
3162' GR	Blanket 1/1/75	Not Selected	6/5/75

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
15"	11 3/4"	42#	400'	400 Sx.	Circ.
11"	8 5/8"	24 & 32#	5500'	1210 Sx.	Circ.
7 7/8"	4½ or 5½"	Mixed Weights	12000'	500 Sx.	9,000'

Drill 15" hole to 400' and set 400' 11 3/4" casing and cement with 400 sx. cement, circulate to surface.
Drill out w/11" bit to approximately 5,500' and set 8 5/8" casing at TD. Will cement casing w/approximately 1210 sx.
Drill out w/7 7/8" bit to Morrow @ approximately 12,000'. If logs and test indicate commercial prod. will set 4½ or 5½" casing at TD and cement w/approximately 500 sx.
BOP equipment will be installed and tested on daylight trips.

APPROVAL VALID FOR 90 DAYS UNLESS DRILLING COMMENCED, EXPIRES 8-26-75

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed W. E. Cook Title Division Production Mgr. Date 5/19/75

(This space for State Use)

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE MAY 26 1975

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION

WELL LOCATION AND ACREAGE DEDICATION PLAT

Supersedes C-128 Effective 1-1-65

All distances must be from the outer boundaries of the Section

Cotton Petroleum Corporation	Lease: Mary K. Knobel		Well No.: 1
Unit Letter: J	Section: 32	Township: 22 South	Range: 27 East
County: Eddy			
Actual Footage Location: 1980 feet from the South line and 1980 feet from the East line			
Ground Level Elev.: 3162	Producing Formation: Morrow	Pool: South Carlsbad	Dedicated Acreage: 320 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

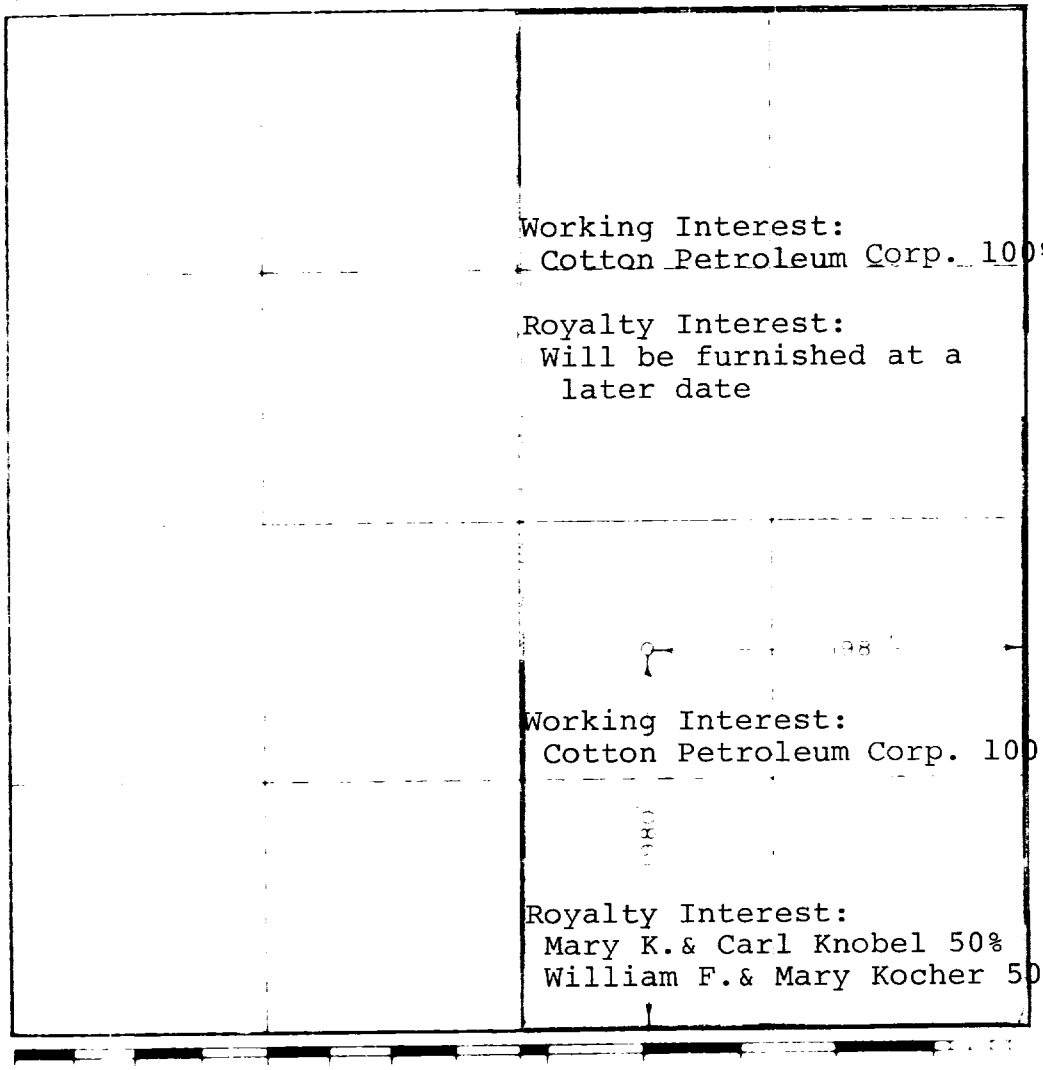
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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.?

X Yes No If answer is "yes," type of consolidation Unitization (Being Filed)

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

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



CERTIFICATION

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

K E Wood

Division Production Mgr.

Cotton Petroleum Corp.

May 20, 1975

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

REGISTERED ENGINEER & LAND SURVEYOR
STATE OF NEW MEXICO
May 16, 1975
676
JOHN W. WEST
676

Cotton Petroleum Corporation

June 6, 1975

RECEIVED

JUN 9 1975

O. C. C.
ARTESIA, OFFICE

816 Building of the Southwest
310 West Texas Street
Midland, Texas 79701
Telephone 915/683-5211

N. M. Oil Conservation Commission
Drawer DD
Artesia, New Mexico 88210

Gentlemen:

Please refer to our Form C-102 covering our Mary K. Knobel Well No. 1 submitted May 20, 1975. Following are the royalty interest owners on the NE¼ Section 32.

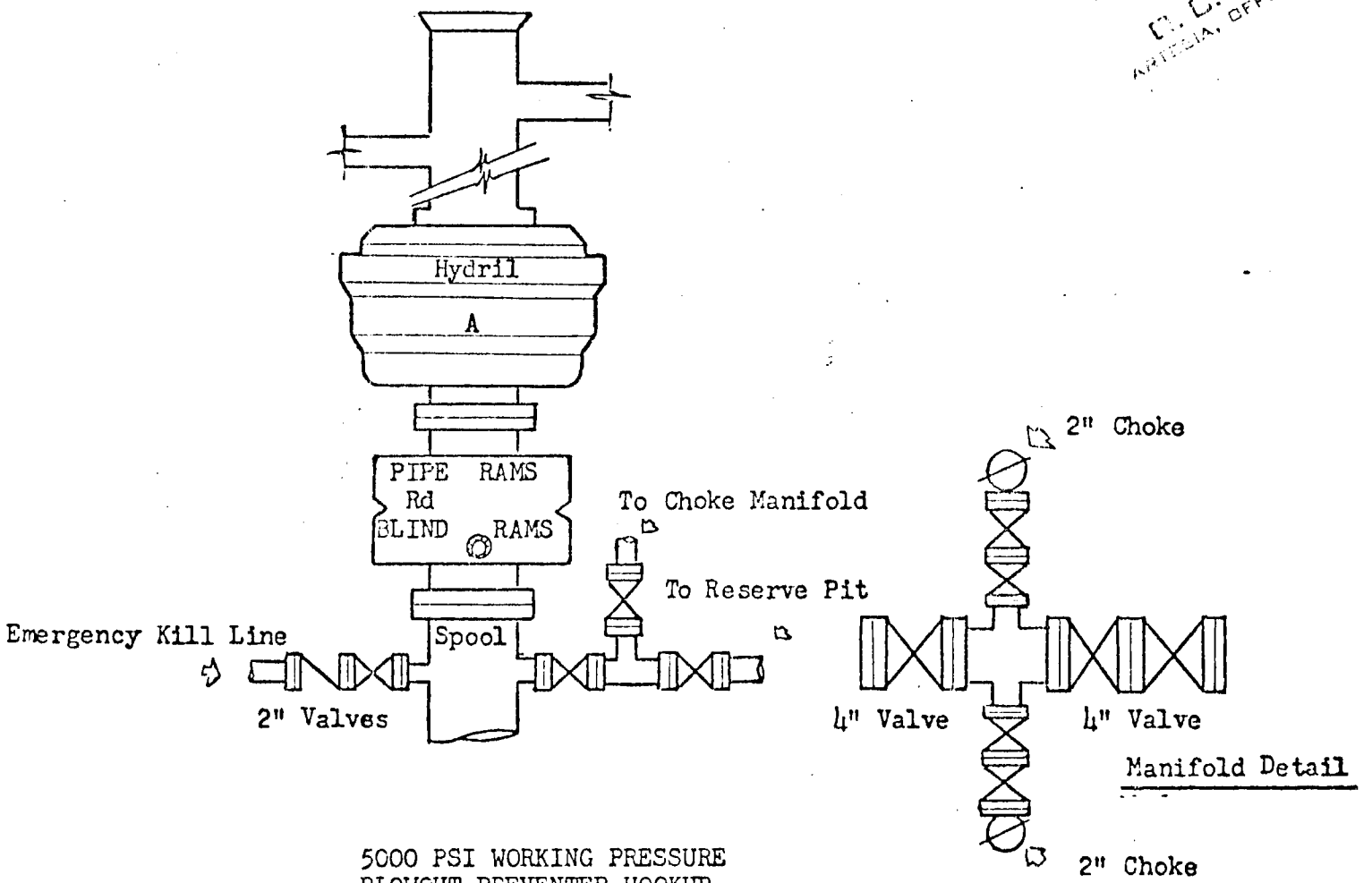
Howard P. Helmer, et ux	.4375
C. L. Smith, et ux	.5000
Caswell S. Neal, et ux	.0625

Very truly yours,

D. E. Wood

DEW/dm

RECEIVED
MAY 23 1975
U. S. G. S.
ARTESIA, OFFICE



5000 PSI WORKING PRESSURE
BLOWOUT PREVENTER HOOKUP
10" CAMERON TYPE F DOUBLE HYDRAULIC SERIES 1500
10" HYDRIL TYPE GK SERIES 1500
PAYNE 4 VALVE CLOSING UNIT AND ACCUMULATOR

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OPERATOR		

30-015-21551

NEW MEXICO OIL CONSERVATION COMMISSION

RECEIVED

JUN 4 1975

O. C. C.
ARTESIA, OFFICE

Form C-101
Revised 1-1-65

AMENDED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5A. Indicate Type of Lease: STATE ☐ FEE XX

5. State Oil & Gas Lease No.

1a. Type of Work

DRILL X DEEPEN ☐ PLUG BACK ☐

b. Type of Well

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

7. Unit Agreement Name

8. Farm or Lease Name: Mary K. Knobel

2. Name of Operator: Cotton Petroleum Corporation

9. Well No.: 1

3. Address of Operator: 816 Building of the Southwest, Midland, Texas 79701

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4. Location of Well: UNIT LETTER J LOCATED 1980 FEET FROM THE South LINE AND 1980 FEET FROM THE East LINE OF SEC. 32 TWP. 22S RGE. 27E NMPM

12. County: Eddy

19. Proposed Depth	19A. Formation	20. Rotary or C.T.
12,000'	Morrow	Rotary

21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
3162' GR	Blanket 1/1/75	Not Selected	6/5/75

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17½"	13 3/8"	48#	400'	450 sx.	Circ.
12¼"	9 5/8"	Mixed Weights	5500'	1400 sx.	1500'
8½"	4½ or 5½"	Mixed Weights	12000'	1000 sx.	9000'

Drill 17½" hole to 400' and set 400' 13 3/8" casing and cement with 450 sx. cement, circulate to surface.
Drill out w/12¼" bit to approximately 5,500' and set 9 5/8" casing to TD. Will cement casing w/approximately 1400 sx.
Drill out w/ 8½" bit to Morrow @ approximately 12,000'. If logs and test indicate commercial production will set 4½ or 5½" casing at TD and cement w/approximately 1000 sx.
BOP equipment will be installed and tested on daylight trips.

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED,
EXPIRES 8-26-75

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed D E Ward Title Divison Production Mgr. Date June 3, 1975

(This space for State Use)

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE JUN 5 1975

CONDITIONS OF APPROVAL, IF ANY:

OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO
P. O. DRAWER DD - ARTESIA
88210

June 11, 1975

I. R. TRUJILLO
CHAIRMAN

LAND COMMISSIONER
PHIL R. LUCERO
MEMBER

STATE GEOLOGIST
A. L. PORTER, JR.
SECRETARY – DIRECTOR

Cotton Petroleum Corp.
816 Building of the Southwest
Midland, Texas 79701

Re: Mary K. Knobel
#1-J, 32-22-27
Eddy County, N.M.

Gentlemen:

We are returning the enclosed Form C-103 on the subject well for additional information.

Please refer to Rule 107 and submit all the information required under Option 2.

Further, this well is located in the Carlsbad Water Basin and it has been our policy to WOC 18 hours on the water protection string in all basins.

If you have any questions concerning this matter, please feel free to call upon me.

Sincerely yours,

OIL CONSERVATION COMMISSION

W. A. Gressett

W. A. Gressett
Supervisor, District II

WAG/ep
Enc.

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NEW MEXICO OIL CONSERVATION COMMISSION

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

5a. Indicate Type of Lease
State ☐ Fee ☒

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL ☐ GAS WELL ☒ OTHER-

7. Unit Agreement Name

2. Name of Operator
Cotton Petroleum Corporation

8. Farm or Lease Name
Mary K. Knobel

3. Address of Operator
816 Building of the Southwest, Midland, Texas 79701

9. Well No.
1

4. Location of Well
UNIT LETTER J, 1980 FEET FROM THE South LINE AND 1980 FEET FROM THE East LINE, SECTION 32 TOWNSHIP 22S RANGE 27E NMPM.

10. Field and Pool, or Wildcat
So. Carlsbad-Morrow

15. Elevation *(Show whether DF, RT, GR, etc.)*
3162' GR

12. County
Eddy

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☒	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☒	
OTHER ☐		OTHER ☐	

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

Spudded 3:30 p.m. 6/8/75 w/17½" bit. Drilled to 392', circ. ¼ hr. Ran 9 joints 13 3/8" 48# H-40 ST&C casing. Halliburton cemented with 450 sx. Class "C" cement w/2% CaCl, circ. out 150 sx. cement. WOC 12 hrs. (Option No. 2) pressure tested casing to 1,000 psi for 30 minutes with no decrease in pressure.

Additional Information on Option 2:

(1) 594 cu. ft cement slurry and it is Lone Star Corp., Inc. Class C, 2% by weight cement aCl.
(2) Temperature of cement when mixed, 85 deg.
(3) Minimum formation temperature in zone of interest, 90 deg.
(4) Estimate of cement strength at time of casing test, 2230 psi.
(5) Actual time cement in place prior to starting test, 12 hrs.

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

SIGNED O C Wood TITLE Division Production Mgr. DATE 6/10/75

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE JUN 16 1975

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NEW MEXICO OIL CONSERVATION COMMISSION

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JUN 26 1975

O. C. C.
ARTESIA, OFFICE

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

5a. Indicate Type of Lease
State ☐ Fee ☒

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL ☐ GAS WELL ☒ OTHER-

7. Unit Agreement Name

2. Name of Operator
Cotton Petroleum Corporation

8. Farm or Lease Name
Mary K. Knobel

3. Address of Operator
816 Building of the Southwest, Midland, Texas 79701

9. Well No.
1

4. Location of Well
UNIT LETTER J, 1980 FEET FROM THE South LINE AND 1980 FEET FROM THE East LINE, SECTION 32 TOWNSHIP 22S RANGE 27E NMPM.

10. Field and Pool, or Wildcat
So. Carlsbad-Morrow

15. Elevation *(Show whether DF, RT, GR, etc.)*
3162' GR

12. County
Eddy

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☒	
OTHER ☐		OTHER ☐	

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

6/24/75 - Ran 130 joints 9 5/8" mixed weights & grades casing landed @ 5590'. Dowell cemented with 1,000 sx. Dowell Light weight cement w/3# kolite, 1/4# Celloflake and 7# salt per sx. Tailed in with 400 sx. incore Class C w/10% salt. Calculated top cement at surface. WOC 21 hrs. Pressure test casing to 1500 psi for 30 minutes with no decrease in pressure.

70 ft. 9 5/8" 36#/ft. J-55
3277 ft. 9 5/8" 36#/ft. K-55
1071 ft. 9 5/8" 40#/ft. K-55
1172 ft. 9 5/8" 40#/ft. N-80

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

SIGNED D E Wood TITLE Division Production Mgr. DATE 6/24/75

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE JUL 2 1975

CONDITIONS OF APPROVAL, IF ANY:

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AUG 14 1975

O. C. C.
ARTESIA, OFFICE

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

5a. Indicate Type of Lease
State ☐ Fee ☒

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

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

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Cotton Petroleum Corporation

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3. Address of Operator
816 Bldg. of the Southwest, Midland, Texas 79701

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UNIT LETTER J, 1980 FEET FROM THE South LINE AND 1980 FEET FROM THE East LINE, SECTION 32 TOWNSHIP 22S RANGE 27E NMPM.

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So. Carlsbad-Morrow

15. Elevation (*Show whether DF, RT, GR, etc.*)
3162'GR

12. County
Eddy

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB XX	
OTHER ☐		OTHER ☐	

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

8/6/75 - Ran 352 joints 4½" casing landed @ 12,003' as follows:

119 ft.	4½"	11-6#/ft	N-80
979 ft.	4½"	11-6#/ft	P-110
9889 ft.	4½"	11-6#/ft	N-80
1016 ft.	4½"	11-6#/ft	P-110

Dowell cemented with 1000 sx. Class H cement w/.6% D-60, .1% D-13, .43% KCL, .2% D-46, ¼# Celloflake per sx. Top cement 8,200 ft. from surface.

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

SIGNED R E Acord TITLE Division Production Mgr. DATE 8/11/75

APPROVED BY W. A. Gressett TITLE [illegible] DATE [illegible]

CONDITIONS OF APPROVAL, IF ANY:

WELL NAME AND NUMBE. Mary K. Knobel #1

LOCATION Unit J of Sec. 31, T20S, R37E Nmpm Co.
(New Mexico give U.S. Farm Texas give S, BLK, SURV. and TWP)

OPERATOR Cotton Petroleum Corp.

DRILLING CONTRACTOR MORANCO

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

Degrees	Depth	Degrees	Depth	Degrees	Depth	Degrees	Depth
1/2	95	3 1/2	1496	1	4720	3/4	11,390
1/2	155	3	1560	1 1/2	5191	1/4	11,790
1/4	215	1 3/4	1740	1/4	5489	1/4	12,000
1/4	275	1 1/2	1843	1	6068		
3/4	390	1 1/4	1906	1 1/4	6537		
1	676	1	2033	1	6970		
3/4	897	1 1/4	2223	1	7475		
3 1/2	1116	3/4	2539	1 1/2	8448		
3 3/4	1149	1/2	2729	1 3/4	8745		
3	1275	1	3281	3/4	9296		
3	1338	1/4	3732	1/4	9842		
3 3/4	1434	3/4	4218	3/4	10,716		

RECEIVED
JAN 21 1976
O. C. C.
ARTESIA, OFFICE

Drilling Contractor MORANCO

By Jerry Gilbert
Jerry Gilbert, Drilling Engineer

Subscribed and sworn to before me this 15th day of August 1975

My Commission expires:

April 1, 1973

Notary Public
Lea County, New Mexico

FLUID SAMPLE DATA

Sampler Pressure 1250 P.S.I.G. at Surface
Recovery: Cu. Ft. Gas 3.1
cc. Oil
cc. Water
cc. Mud 1600
Tot. Liquid cc. 1600
Gravity ° API @ °F.
Gas/Oil Ratio cu. ft./bbl.

		RESISTIVITY		CHLORIDE CONTENT
Recovery Water	@	°F.	50,400	ppm
Recovery Mud	@	°F.	120,000	ppm
Recovery Mud Filtrate	@	°F.		ppm
Mud Pit Sample	@	°F.	124,800	ppm
Mud Pit Sample Filtrate	@	°F.		ppm

Mud Weight 11.2 vis 40 cp

Date 7-27-75 Ticket Number 788043
Kind of Job OPEN HOLE Halliburton District ARTESIA
Tester MR. GULLEY Witness MR. MANN
Drilling Contractor MORAN COMPANY SM S

EQUIPMENT & HOLE DATA

Formation Tested Morrow
Elevation 3162' ground level Ft.
Net Productive Interval 20' Ft.
All Depths Measured From 16' Kelly bushing
Total Depth 11609' Ft.
Main Hole/Casing Size 8 1/2"
Drill Collar Length 534' I.D. 2.25"
Drill Pipe Length 11001' I.D. 3.826"
Packer Depth(s) 11408-11414' Ft.
Depth Tester Valve 11376' Ft.

Cushion TYPE Fresh water AMOUNT 2500' Ft. Depth Back Pres. Valve
Surface Choke Floor Manifold Bottom Choke .75"

Recovered 2500 Feet of fresh water cushion, slightly gas cut
Recovered 700 Feet of salt water, slightly gas cut
Recovered 400 Feet of salt water & mud, slightly gas cut
Recovered Feet of
Recovered Feet of

Meas. From Tester Valve

Remarks Tool opened for 30 minute first flow period with a weak blow. Closed tool for 60 minute first closed in pressure period. Tool reopened for 60 minute second flow period with a weak blow building to a good blow. Closed tool for second CIP period (cycled tool to make sure tool was closed.). Charts indicate slight plugging during early part of first flow period.

TEMPERATURE	Gauge No. 1639		Gauge No. 1638		Gauge No.		TIME	
	Depth: 11390 Ft.		Depth: 11605 Ft.		Depth: Ft.			
	24 Hour Clock		24 Hour Clock		Hour Clock		Tool Opened 1045	A.M. P.M.
Est. °F.	Blanked Off NO		Blanked Off yes		Blanked Off		Opened Bypass 3:15	A.M. P.M.
Actual 190°F.	Pressures		Pressures		Pressures		Reported Minutes	Computed Minutes
	Field	Office	Field	Office	Field	Office		
Initial Hydrostatic	6618	6636	6699	6772				
First Period Flow Initial	1545	1552	1619	1671			----	----
First Period Flow Final	1567	1563	1640	1675			30	30
First Period Closed in	3984	4078	4205	4218			60	60
Second Period Flow Initial	1567	1581	1640	1686			----	----
Second Period Flow Final	1589	1589	1684	1702			60	60
Second Period Closed in	4654	4661	4777	4775			120	120
Third Period Flow Initial							----	----
Third Period Flow Final								
Third Period Closed in								
Final Hydrostatic	6618	6636	6699	6772			----	----

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ARTESIA, OFFICE

FORMATION TEST DATA

Legal Location Sec. - Twp. - Rng. 32 22 27
Lease Name M. K. KNOBLE
Well No. 1
Test No. 1
Tested Interval 11414 - 11609'
Field Area SOUTH CARLSBAD (WILDCAT)
County EDDY
State NEW MEXICO
Lease Owner/Company Name COTTON PETROLEUM CORPORATION

MARY K. KNOBEL
DETAILED PERFORATIONS

11,339	2	0.25" Jet Shots
11,360, 61, 62, 63	4	0.25" Jet Shots
11,420, 25, 27, 29 30, 31, 32, 33, 34, 35, 36, 37	12	0.25" Jet Shots
11,534, 35, 36, 37	4	0.25" Jet Shots
11,543	2	0.25" Jet Shots
11,801-804	6	0.25" Jet Shots
11,919-925	11	0.25" Jet Shots
Total	41	0.25" Jet Shots

INSTRUCTIONS

This form is to be filled with the appropriate District Office of the Commission 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 30 through 34 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				Northwestern New Mexico			
T. Anhy	265'	T. Canyon		T. Ojo Alamo		T. Penn. "B"	
T. Salt		T. Strawn	L. 10,454'	T. Kirtland-Fruitland		T. Penn. "C"	
B. Salt		T. Atoka	10,636'	T. Pictured Cliffs		T. Penn. "D"	
T. Yates		T. Miss		T. Cliff House		T. Leadville	
T. 7 Rivers		T. Devonian		T. Menefee		T. Madison	
T. Queen		T. Silurian		T. Point Lookout		T. Elbert	
T. Grayburg		T. Montoya		T. Mancos		T. McCracken	
T. San Andres		T. Simpson		T. Gallup		T. Ignacio Qtzte	
T. Glorieta		T. McKee		Base Greenhorn		T. Granite	
T. Paddock		T. Ellenburger		T. Dakota		T.	
T. Blinebry		T. Gr. Wash		T. Morrison		T.	
T. Tubb		T. Granite		T. Todilto		T.	
T. Drinkard		T. Delaware Sand	2055'	T. Entrada		T.	
T. Abo		T. Bone Springs	5438'	T. Wingate		T.	
T. Wolfcamp	8836'	T.	L/Morrow 11,148'	T. Chinle		T.	
T. Penn.	10,128'	T.	Morrow Clastic -	T. Permian		T.	
T Cisco (Bough C)		T.	11,410'	T. Penn. "A"		T.	

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
265	1920	1655	Anhydrite				
1920	2055	135	Lime				
2055	5438	3383	Interbedded Sn & Shale w/ occ Lime				
5438	8836	3398	Lime w/Sand Stringers (1st, 2nd, 3rd BSS)				
8836	10128	1292	Lime & Shale				
10128	10454	326	Lime				
10454	10636	182	Lime w/Shale interbeds				
10636	11148	512	Lime w/Shale interbeds				
11148	TD	855	Sand & Shale w/some lime beds				

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OPERATOR		

Form C-105
Revised 1-1-65

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

RECEIVED
JAN 27

5a. Indicate Type of Lease: State ☐ Fee ☒
5. State Oil & Gas Lease No.

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER

7. Unit Agreement Name:
8. Farm or Lease Name: Mary K. Knobel
9. Well No.: 1
10. Field and Pool, or Wildcat: So. Carlsbad Morrow

2. Name of Operator: Cotton Petroleum Corporation
3. Address of Operator: 816 Bldg. of the Southwest, Midland, Texas 79701
4. Location of Well: UNIT LETTER J LOCATED 1980 FEET FROM THE South LINE AND 1980 FEET FROM THE East LINE OF SEC. 32 TWP. 22S RGE. 27E NMPM
12. County: Eddy

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Cashinghead
6/8/75	8/4/75	11/10/75	3162' GR	-

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
12,003'	11,960'	-	→	0-12,003'	

24. Producing Interval(s), of this completion — Top, Bottom, Name: 11,339-11,925', Morrow
25. Was Directional Survey Made: No
26. Type Electric and Other Logs Run: CNL-FDC, DL
27. Was Well Cored: No

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

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	48#	392'	17½"	450 sx.	-
9 5/8"	Mixed Wts.	5590'	12¼"	1400 sx.	-
4 1/2"	11.6#	12003'	7 7/8"	1000 sx.	-

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8"	11,251'	11,251'

31. Perforation Record (Interval, size and number)

11,339-11,925'
See attached for detail

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
11,339-925'	5,000 gals. MS Acid
	F/30,000 gals. 3% HCL
	w/12,000# 100 mesh &
	24,000# 20/40 mesh sand

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping — Size and type pump)	Well Status (Prod. or Shut-in)
	Flowing	Shut-In

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas — Oil Ratio
11/10/75	4	N/A	→	0	120	-	N/A

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)
2592	Packer	→	-	995 AOF	-	-

34. Disposition of Gas (Sold, used for fuel, vented, etc.): Vented
Test Witnessed By: John West Engineering

35. List of Attachments: CNF-FDC, DL Logs, DST #1, Detail perforations.

36. 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.

SIGNED L E Wood TITLE Division Production Mgr DATE 1/26/76

posted 1-30

GAS QUALITY TEST REPORT

COMPANY SELLER: Cotton Pet. Co.
FIELD OR LOCATION: So. Carlsbad
SOURCE OR RESERVOIR: Morrow
WELL OR STATION NAME: Cotton Nobel
STA. NO.: —
CONTRACT NO.:
TEST DATE: 11 10 75
LAB: 4

COMPOUND COMPONENTS	COMPONENT SPECIFIC GRAVITY	COMPONENT MOLE FRACTION
NITROGEN	.9672	.0029
CARBON DIOXIDE	1.5195	.0148
HELIUM	.1382	.0001
OXYGEN	1.1048	. —
HYDROGEN SULFIDE	1.1766	. —
WATER VAPOR	.6220	. —
HYDROCARBON DILUENTS		(.0178)
METHANE	.5539	.9588
ETHANE	1.0382	.0192
PROPANE	1.5225	.0027
ISO-BUTANE	2.0068	.0006
N-BUTANE	2.0068	.0004
ISO-PENTANE	2.4910	.0002
N-PENTANE	2.4910	.0001
HEXANES	2.9753	.0001
HEPTANES +	3.7018	.0001
COMPOSITION		1.0000

LIQUEFIABLE HYDROCARBONS	COMPONENT G.P.M.	MOLE FRACTION	G.P.M. CONTENT
PROPANE	27.514	.	
ISO-BUTANE	32.698	.	
N-BUTANE	31.510	.	
LPG			
ISO-PENTANE	36.582	.	
N-PENTANE	36.213	.	
HEXANES	41.111	.	
HEPTANES +	46.126	.	
NATURAL GASOLINE			
TOTAL LIQUEFIABLE GPM			

WATER VAPOR CONTENT:

Gas Mixture Static Pressure PSI: _____
Hydrocarbon Dew Point °F: _____
Water Vapor Dew Point °F: _____
Lbs Water Vapor per MMCF: _____
Conversion Constant: X 0.000021
Water Vapor Mole Fraction: .

Moisture recorder reading: _____
Make or type: _____

MIXTURE SPECIFIC GRAVITY:

Calculated From Analysis: .584
Determined by Test Instrument: .587
Instrument Make or Type: Ranarex

MIXTURE HEATING VALUE:
(Btu/cf at 14.73 Psia, 60°F, Sat.)

Calculated From Analysis: 1001
Determined by Calorimeter: .
Calorimeter Verified ( )

SULFUR CONTENT:

H_2S – Hydrogen Sulfide, Gr./100 cf	.01
RSH – Mercaptans "	.01
RSR – Sulfides "	.02
RSSR – Residuals "	.04
Total Sulfur, Gr./100 cf	.08
H_2S Grains to fraction conversion	X 0.0000157
H_2S Mole Fraction	

Critical Pressure: 679 Critical Temperature: 352

REMARKS: 4 Point Test Analysis

MEASUREMENT AREA: Roswell
GAS ANALYIST: Acord

TW-232-A (Rev. 2-73)

Cotton Petroleum Corporation
Knobel Well No. 1
Bottom Hole Pressures for 4-point and
Pressure Build-up test
Tabulation of Pressure and Time

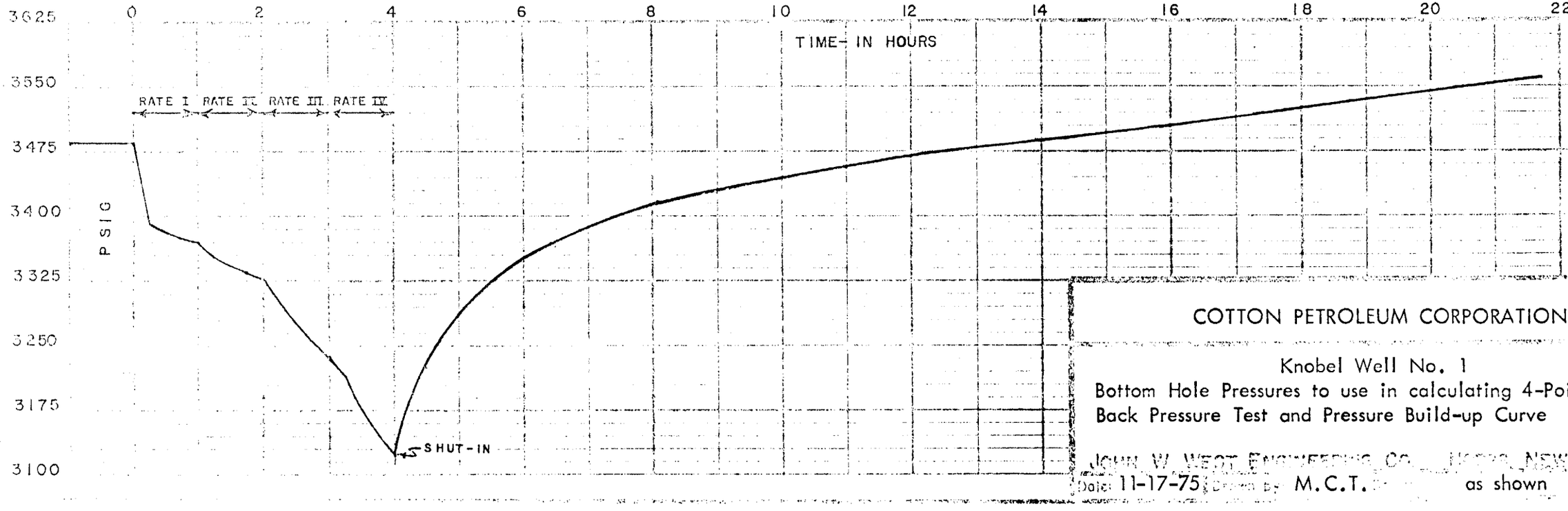
Test conducted by:
John West Engineering Company

Test Date: November 10 & 11, 1975
Test Depth: 11,922 Feet
Element No.: 16194-N (0-4600 psi)
Oper.: G. Parker

DATE	TIME	CUM. HRS./MIN.		PSIG @ 11,922 FEET
11-10-75	12:15 pm			3484 Gauge reached 11,922'
11-10-75	1:00 pm	00 Hrs.	00 Min.	3484 Open choke, begin test
		00	15	3393
		00	30	3379
		00	45	3374
	2:00 pm	01	00	3370 End Rate I
		01	15	3353
		01	30	3344
		01	45	3335
	3:00 pm	02	00	3326 End Rate II
		02	15	3300
		02	30	3277
		02	45	3258
	4:00 pm	03	00	3237 End Rate III
		03	15	3214
		03	30	3177
		03	45	3147
	5:00 pm	04	00	3123 End Rate IV, Shut-in
11-10-75	5:00 pm	00	00	3123 Begin Build-up
		00	15	3188
		00	30	3226
		00	45	3256
		01	00	3288
		01	30	3323
		02	00	3349
		02	30	3365
		03	00	3386
		03	30	3398
		04	00	3412
		05	00	3428
11-10-75	11:00 pm	06	00	3442
	12:00 mn	07	00	3456
11-11-75	1:00 am	08	00	3470
		10	00	3488
		12	00	3505
		14	00	3526
		16	00	3545
11-11-75	10:45 am	17 Hrs.	45 Min.	3559 Gauge out, end test

Test Date:	November 10 & 11, 1975
Test Depth:	11,922 Feet (Center of Perfs.)
Element No.:	16194-N
Range:	0-4600 psi
Clock No.:	11782
Range:	0-24 Hour

Note: See tabulation of Pressure and Time on attached sheet.



Copy to SF
C-122

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JAN 21 1976
O. C. C.
ARTESIA, OFFICE

Type Test			Test Date
[X] Initial	[ ] Annual	[ ] Special	11-10-75

Company	Connection
Cotton Petroleum Corp.	To Air

Pool	Formation	Unit
South Carlsbad Morrow	Morrow	J

Completion Date	Total Depth	Plug Back TD	Elevation	Farm or Lease Name
11-10-75	12,003'	11,960	3162 Gr.	K. Knobel

Csg. Size	Wt.	d	Set At	Perforations:	Well No.
4½"	11.6#	4.090"	12003	From 11,339 To 11,925'	1

Tbg. Size	Wt.	d	Set At	Perforations:	Unit	Sec.	Twp.	Rge.
2 3/8"	4.7#	1.995	11,251'	From open To ended	J	32	22S	27E

Type Well – Single – Bradenhead – G.G. or G.O. Multiple	Packer Set At	County
Single	11,251'	Eddy

Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a	State
Tubing	184 @ 11,922'	60	13.2	New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
11922	11922	0.584	1.48	0.29	-0-	------	4"x0.500	Flange

NO.	FLOW DATA: Prover Line Size x Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI					2680.0		Packer		24 Hr.
1.	4" x 0.500"	300.0	13.0	76	2592.0	68			1 Hr.
2.	4" x 0.500"	300.0	28.0	78	2557.0	66			1 Hr.
3.	4" x 0.500"	300.0	56.0	76	2485.0	65			1 Hr.
4.	4" x 0.500"	300.0	96.0	74	2400.0	60			1 Hr.
5.									

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	1.182	63.81	313.2	.9850	1.309	1.023	99.5
2.	1.182	93.65	313.2	.9831	1.309	1.023	145.7
3.	1.182	132.44	313.2	.9850	1.309	1.023	206.5
4.	1.182	173.40	313.2	.9868	1.309	1.023	270.8
5.							

NO.	P_t	Temp. °R	T_r	Z
1.	0.46	536	1.52	.955
2.	0.46	538	1.53	.956
3.	0.46	536	1.52	.955
4.	0.46	534	1.52	.955
5.				

Gas Liquid Hydrocarbon Ratio T.S.T.M. Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons ____ Deg.
Specific Gravity Separator Gas 0.584 XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX ____
Critical Pressure 679 P.S.I.A. ____ P.S.I.A.
Critical Temperature 352 R ____ R

P_t^2 3497.2 P_s^2 12230

NO	P_t^2	P_s	P_s^2	$P_t^2 - P_s^2$
1	6787	3383.2	11446	784
2	6606	3339.2	11150	1080
3	6241	3250.2	10564	1666
4	5824	3136.2	9836	2394
5				

(1) $\frac{P_t^2}{P_t^2 - P_s^2} = 5.1086$ (2) $\left[\frac{P_t^2}{P_t^2 - P_s^2}\right]^n = 3.528$

AOF = Q $\left[\frac{P_t^2}{P_t^2 - P_s^2}\right]^n = 995$

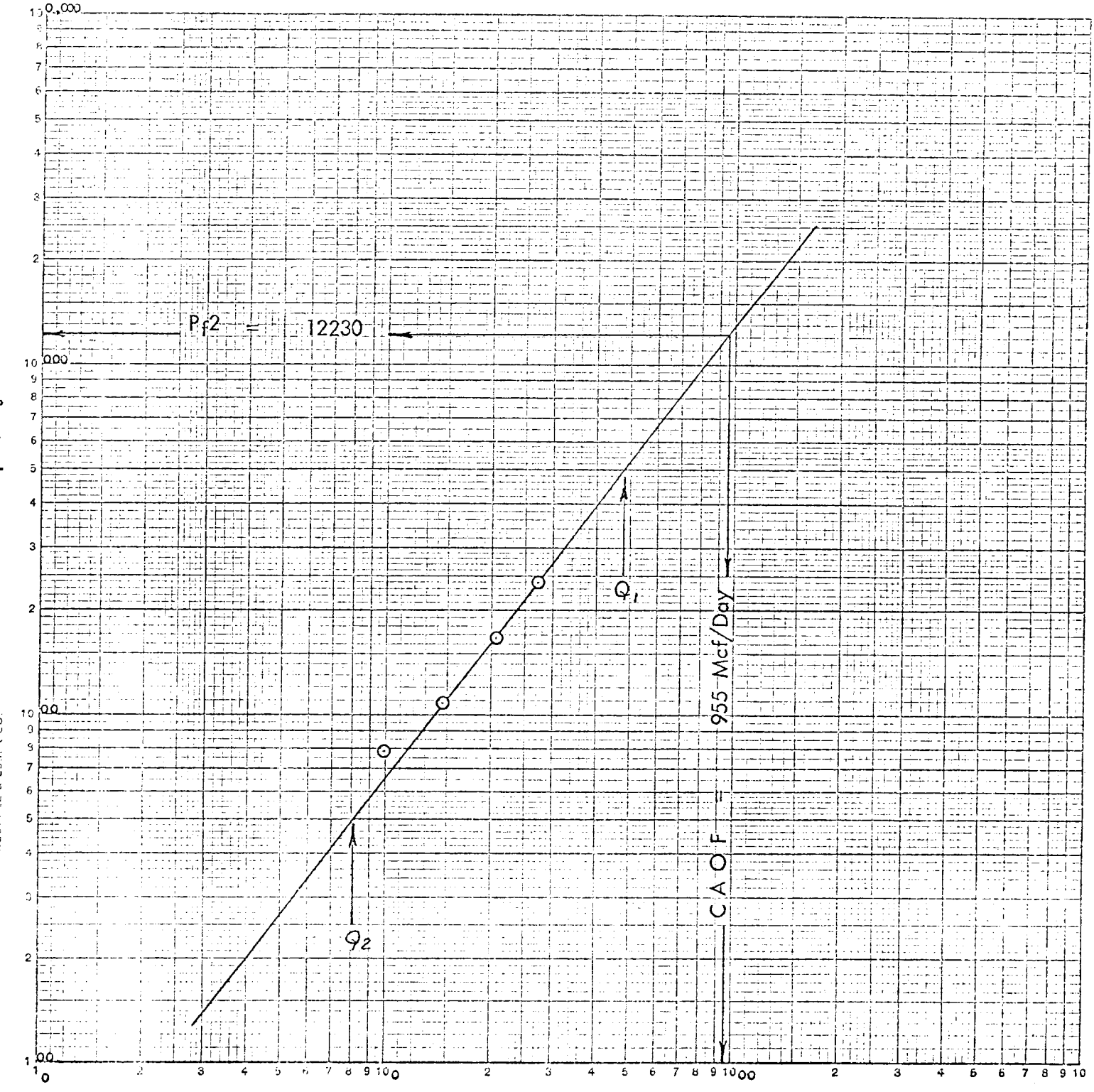
Absolute Open Flow 995 Mcfd @ 15.025 Angle of Slope θ 52.3° Slope, n 0.773

Remarks: Bottom Hole Pressures measured with Amerada Gauge @ 11,922 feet.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	G.J.P.	R.L.W.	J.W.W.

Abs. Slope (n) = Q_1 = 480 = 6.681241
Q_2 = 81 = 5.908485
(n) = 0.772756

C A O F = 270.8 $\left(\frac{12230}{2394}\right)^{.773}$ = 955 Mcf/Day



NEW MEXICO OIL CONSERVATION COMMISSION

P. O. DRAWER "DD"

ARTESIA, NEW MEXICO 88210

AIR MAIL

NOTICE OF GAS CONNECTION DATE January 29, 1976.

This is to notify the Oil Conservation Commission that connection for the purchase of gas from the Cotton Petroleum (Operator). Mary K. Knobel (Lease).

Well #1-Unit Letter * (Well Unit). 32-22S-27E (S.T.R.). South Carlsbad (Pool). Transwestern (Name of purchaser).

* Unknown

Eddy County

(Morrow)

was made on January 26, 1976.

Transwestern Pipeline Company

H. N. Aicklen

Representative

Supervisor Gas Purchase
Contract Administration

Title

cc: Operator
Oil Conservation Commission - Santa Fe

RECEIVED

FEB 2 1976

O. C. C.
ARTESIA, OFFICE

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TRANSPORTER	OIL	
	GAS	
OPERATOR		
PRORATION OFFICE		

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

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

RECEIVED
JAN 27 1976
O. C. C.
ARTESIA, OFFICE

I.

Operator
Cotton Petroleum Corporation

Address
816 Bldg. of the Southwest, Midland, Texas 79701

Reason(s) for filing (Check proper box)
New Well XX
Recompletion
Change in Ownership
Change in Transporter of: Oil, Dry Gas, Casinghead Gas, Condensate

Other (Please explain)

If change of ownership give name and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Mary K. Knobel	1	S. Carlsbad, Morrow	State, Federal or Fee Fee	

Location
Unit Letter J ; 1980 Feet From The South Line and 1980 Feet From The East Line of Section 32 Township 22S Range 27E, NMPM, Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate X — Address (Give address to which approved copy of this form is to be sent)
Permian Corporation — P. O. Box 1163, Houston, Texas 77001

Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas X — Address (Give address to which approved copy of this form is to be sent)
Transwestern Pipeline Co. — P.O. Box 2521, Houston, Texas 77001

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	J	32	22S	27E	~~No~~	Two weeks

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

IV. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		X	X					

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
6/8/75	11/10/75	12,003'	11,960'
Elevations (DF, RKB, RT, GR, etc.,	**Name of Producing Formation**	**Top Oil/Gas Pay**	**Tubing Depth**
3162' GR	Morrow	~~11,150'~~ 11330	11,251'
Perforations			**Depth Casing Shoe**
11,339-11,925' (41 holes)			12,003'

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
17½"	13 3/8"	392'	450 sx.
12¼"	9 5/8"	5590'	1400 sx.
7 7/8"	4 1/2"	12,003'	1000 sx.
	2 3/8"	11251	

V. TEST DATA AND REQUEST FOR ALLOWABLE

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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-Bbls.**	**Gas-MCF**

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
995 AOF	4 hrs.	TSTM	N/A
Testing Method (pitot, back pr.)	**Tubing Pressure (Shut-in)**	**Casing Pressure (Shut-in)**	**Choke Size**
Back-pressure	2680	0	Meter run

VI. CERTIFICATE OF COMPLIANCE

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

(Signature)
Division Production Manager
(Title)
1/26/76
(Date)

OIL CONSERVATION COMMISSION
APPROVED FEB 2 1976, 19
BY W. A. Gressett
TITLE SUPERVISOR, DISTRICT II

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

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

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

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

OIL CONSERVATION COMMISSION
STATE OF NEW MEXICO
P. O. BOX 2088 – SANTA FE 87501

GAS
SUPPLEMENT
NUMBER ..... (XW) (SE) AR – 320

DATE 2-2-76

NOTICE OF ASSIGNMENT OF ALLOWABLE TO A GAS WELL

The operator of the following well has complied with all the requirements of the Oil Conservation Commission and the well is hereby assigned an allowable as shown below.

Date of Connection 1-26-76 Date of First Allowable or Allowable Change 1-26-76
Purchaser Transwestern Pipeline Co. Pool South Carlsbad Morrow
Operator Cotton Petroleum Corp. Lease Mary K. Knobel
Well No. 1 Unit Letter J Sec. 32 Twp. 22 Range 27
Dedicated Acreage 320 Revised Acreage ____ Difference ____
Acreage Factor 1.00 Revised Acreage Factor ____ Difference ____
Deliverability ____ Revised Deliverability ____ Difference ____
A x D Factor ____ Revised A x D Factor ____ Difference ____

W. A. Gressett OCC District No. 2

New Connection (M)

CALCULATION OF SUPPLEMENTAL ALLOWABLE

MONTH	% OF MO.	PREV. ALLOW.	REV. ALLOW.	PREV. PROD.	REV. PROD.	REMARKS
January						
February						
March						
April						
May						
June						
July						
August						
September						
October						
November						
December						
TOTALS						

Previous Status Adjustments .....
Allowable Production Difference .....
Dec. Schedule O/U Status .....
Revised Dec. O/U Status .....

RECEIVED
FEB 26 1976
O. C. C.
ARTESIA, OFFICE

Effective In March Schedule
Current Classification NC To M

Note: All gas volumes are in MCF @ 15.025 psia.

JOE D. RAMEY, *Secretary – Director*

By E. S. Johnson

COUNTY EDDY FIELD Carlsbad, S. STATE NM

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OP COTTON PETROLEUM CORP. API 30-015-21551

NO 1 LEASE Knobel, Mary K. SERIAL 2-1-9 NM

Sec 32, T-22-S, R-27-E MAP

1980' FSL, 1980' FEL of Sec CO-ORD

2 mi SE/Carlsbad ELEV [redacted] GR

6-8-75 CMP 11-10-75 WELL CLASS: INIT D DC

FORMATION	DATUM	FORMATION	DATUM

13 3/8" at 392' w/450 sx
9 5/8" at 5590' w/1400 sx
4 1/2" at 12,003' w/1000 sx

TD 12,003' (BRNT) PBD 11,960'

(Morrow) Perfs 11,339-925' CAOF 995 MCFGPD, COR Dry; Grav [illegible],584; SIWHP 2680#

[illegible] 3162' GL [illegible] 12,000' RT

F.R. 6-2-75
(Morrow)

6-11-75 Drlg 1285'
6-18-75 Drlg 4340' lm
6-24-75 TD 5590'; WOC
6-30-75 Drlg 7980' lm & sh
7-8-75 Drlg 10,589' lm
7-14-75 Drlg 10,870' lm & cht
7-22-75 Drlg 11,382' lm & sh
7-28-75 Drlg 11,638'

DST (Morrow) 11,414-609', open 1 hr 30 mins, (2500' WB), rec WB + 700' SW + 400' CGSW&M, 1 hr ISIP 3984#, FP 1564-2589#, 2 hr FSIP 4654#, HP 6639-6618#

2-1-9 NM

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

Form C-104
Revised 10-1-78

OIL CONSERVATION DIVISION

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

RECEIVED BY
JUL 22 1986
O. C. D.
ARTESIA, OFFICE

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. Operator: Apache Corporation

Address: 7666 E. 61st Street, 500 Triad Center, Tulsa, OK 74133-1201

Reason(s) for filing (Check proper box)

New Well	[ ]	Change in Transporter of:			
Recompletion	[ ]	Oil	[ ]	Dry Gas	[ ]
Change in Ownership	[X]	Casinghead Gas	[ ]	Condensate	[ ]

Other (Please explain)

If change of ownership give name and address of previous owner: Cotton Petroleum Corporation P.O. 3501 Tulsa, OK 74102

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease
Mary K. Knobel	1	S. Carlsbad, Morrow	State, Federal or Fee Fee

Location: Unit Letter J : 1980 Feet From The South Line and 1980 Feet From The East

Line of Section 32 Township 22S Range 27E NMPM, Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil [ ] or Condensate [XX]: Permian Corporation	Address (Give address to which approved copy of this form is to be sent): P.O. Box 1163, Houston, TX 77001
Name of Authorized Transporter of Casinghead Gas [ ] or Dry Gas [XX]: Transwestern Pipeline Co.	Address (Give address to which approved copy of this form is to be sent): P.O. Box 2521, Houston, TX 77001

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	J	32	225	27E	yes	1/26/76

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

IV. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		X						

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
6/8/75	11/10/75	12003'	11960'

Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
3162' GR	Morrow	11339'	11251'

Perforations	Depth Casing Shoe
11339-11925 (41 holes)	12003

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
17½"	13 3/8"	392'	450sx
12¼"	9 5/8"	5590'	1400sx
7 7/8"	4 ½"	12003'	1000sx

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

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-Bbls.	Gas-MCF

Les' ID-3
8-1-86
chg op

GAS WELL

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

VI. CERTIFICATE OF COMPLIANCE

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

(Signature)
Sr. Operations Engineer
(Title)
7/15/86
(Date)

OIL CONSERVATION DIVISION

APPROVED JUL 30 1986, 19

BY Original Signed By
Les A. Clement

TITLE Supervisor, District II

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 in accordance with RULE 111.

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

Fill out only sections I, II, III, and VI for changes of operator, 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 MINERALS DEPARTMENT

Form C-104
Revised 10-1-78

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

RECEIVED BY
FEB 12 1987
O. C. D.

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I.

Operator: Apache Corporation ✓

Address: 7666 East 61st, 500 Triad Center, Tulsa, Oklahoma 74133-1201

Reason(s) for filing (Check proper box)

- New Well ☐
- Recompletion ☐
- Change in Ownership ☐
- Change in Transporter of: Oil ☐ Dry Gas ☐ Casinghead Gas ☐ Condensate ☒

Other (Please explain): Effective 11/1/86

If change of ownership give name and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease (State, Federal or Fee)	Lease No.
Mary K. Knobel	1	S. Carlsbad Morrow	Fee	

Location: Unit Letter j : 1980 Feet From The South Line and 1980 Feet From The East

Line of Section 32 Township 22S Range 27E, NMPM, Eddy County

II. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☒	Address (Give address to which approved copy of this form is to be sent)
Koch Oil Services Inc.	P.O. Box 1558, Breckinridge, Tx. 76024
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒	Address (Give address to which approved copy of this form is to be sent)
Transwestern P.L. Company	P.O. Box 2521, Houston, Tx. 77001

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	J	32	22S	27E	yes	1/26/76

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

IV. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Resv.	Diff. Res
		XX						

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
			Depth Casing Shoe
Perforations			

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
			Post ID-3
			2-20-86
			chg WTI PER

V. TEST DATA AND REQUEST FOR ALLOWABLE

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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-Bbls.	Gas-MCF

GAS WELL

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

VI. CERTIFICATE OF COMPLIANCE

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

Connie Jones
(Signature)

Production Clerk
(Title)

2/10/87
(Date)

OIL CONSERVATION DIVISION

APPROVED FEB 19 1987, 19

Original Signed By
Jerry A. Clements
Supervisor District II

BY

TITLE

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

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

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

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

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

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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OPERATOR		✓	
PRORATION OFFICE			

OIL CONSERVATION DIVISION

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

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

RECEIVED
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O. C. D.
ARTESIA, OFFICE

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I.

Operator: Terra Resources, Inc. ✓

Address: 10 Desta Dr., Suite 500 West, Midland, Texas 79705

Reason(s) for filing (Check proper box)
- [ ] New Well
- [ ] Recompletion
- [X] Change in Ownership

Change in Transporter of:
- [ ] Oil
- [ ] Dry Gas
- [ ] Casinghead Gas
- [ ] Condensate

Other (Please explain)

If change of ownership give name and address of previous owner: Apache Corp., 7666 E. 61st, 500 Triad Center, Tulsa, OK 74133

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease (State, Federal or Fee)	Lease No.
Mary K. Knobel	1	Carlsbad, S. - Morrow	Fee	

Location: Unit Letter J : 1980 Feet From The South Line and 1980 Feet From The East

Line of Section 32 Township 22S Range 27E , NMPM, Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☒	Address (Give address to which approved copy of this form is to be sent)
Koch Services, Inc.	P.O. Box 1558, Breckinridge, TX 76024
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒	Address (Give address to which approved copy of this form is to be sent)
Transwestern Pipeline Co.	P.O. Box 1188, Houston, TX 77251

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	J	32	22S	27E	yes	1-26-76 Per ID-3

If this production is commingled with that from any other lease or pool, give commingling order number: 7-15-88 chg op

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

VI. CERTIFICATE OF COMPLIANCE

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

P E Cozart
(Signature)

Penny E. Cozart, District Accountant
(Title)

6-28-88
(Date)

OIL CONSERVATION DIVISION

APPROVED JUL 11 1988, 19

BY Original Signed By
Mike Williams

TITLE ~~Oil & Gas~~ Inspector

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

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

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

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

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

IV. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Elevations *(DF, RKB, RT, GR, etc.)*	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Perforations			Depth Casing Shoe

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

V. TEST DATA AND REQUEST FOR ALLOWABLE

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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 - Bbls.	Gas - MCF

GAS WELL

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

JUL

Submit 5 Copies
Appropriate District Office
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

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

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

RECEIVED
JUN 09 '89
O. C. D.
ARTESIA, OFFICE

State of New Mexico
Energy, Minerals and Natural Resources Department

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

Form C-104
Revised 1-1-89
See Instructions
at Bottom of Page

Santa Fe		
File		
Transporter	Oil	
	Gas	
Operator		

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Operator	Well API No.
Pacific Enterprises Oil Company (USA)	

Address: 10 Desta Drive, Suite 500 West, Midland, Texas 79705

Reason(s) for Filing *(Check proper box)*
- New Well ☐
- Recompletion ☐
- Change in Operator ☐
- Change in Transporter of: Oil ☐ Dry Gas ☐ Casinghead Gas ☐ Condensate ☐
- Other *(Please explain)* ☒
  Change Operator Name From:
  Terra Resources, Inc.
  Effective Date: April 24, 1989

If change of operator give name and address of previous operator: N/A-Operator Name Change Only.

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease State, Federal or Fee	Lease No.
Mary K. Knobel	1	Carlsbad, So.-Morrow	FEE	

Location
Unit Letter J : 1980 Feet From The South Line and 1980 Feet From The East Line

Section 32 Township 22S Range 27E , NMPM, Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☒	Address *(Give address to which approved copy of this form is to be sent)*
Koch Services, Inc.	P.O. Box 1558, Breckenridge, Tx. 76024
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒	Address *(Give address to which approved copy of this form is to be sent)*
Transwestern Pipeline Co.	P.O. Box 1188, Houston, Tx. 77251

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When ?
	J	32	22S	27E	Yes	1-26-76

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

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Elevations *(DF, RKB, RT, GR, etc.)*	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Perforations			Depth Casing Shoe

TUBING, CASING AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
			Ref ID-3 6-16-89 ddg

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL *(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)*

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

GAS WELL

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

VI. OPERATOR CERTIFICATE OF COMPLIANCE

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

Carl D. Elliott

Signature: Carl D. Elliott
Printed Name: June 8, 1989
Date

Title: District Accountant
Telephone No.: (915) 684-3861

OIL CONSERVATION DIVISION

Date Approved: JUN 12 1989

By: ORIGINAL SIGNED BY MIKE WILLIAMS

Title: SUPERVISOR, DISTRICT II

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
2) All sections of this form must be filled out for allowable on new and recompleted wells.
3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
4) Separate Form C-104 must be filed for each pool in multiply completed wells.

Submit 3 Copies to Appropriate District Office

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

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

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

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-103
Revised 1-1-89

WELL API NO.

5. Indicate Type of Lease STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

RECEIVED
SEP 07 '90
OCD
ARTESIA, OFFICE

SUNDRY NOTICES AND REPORTS ON WELLS

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

7. Lease Name or Unit Agreement Name: Mary K. Knobel

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

8. Well No.: 1

2. Name of Operator: Pacific Enterprises Oil Co. (USA)

9. Pool name or Wildcat: Carlsbad, South (Strawn)

3. Address of Operator: P.O. Box 3083 Midland, Texas 79702

4. Well Location
Unit Letter J : 1980 Feet From The South Line and 1980 Feet From The East Line
Section 32 Township 22S Range 27E NMPM Eddy County

10. Elevation (Show whether DF, RKB, RT, GR, etc.): 3162' GR

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 ☐	
OTHER: ☐		OTHER: Re-completion to Strawn ☒	

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

6-18-90 RIH & set in-tubing bridge plug @ 11,253' - 4 1/2" Packer @ 11,260'(Stuck) Cut tbg @ 11,250' & POH.

6-21-90 Spot 2 sx sand on top of TBP (PBTD @ 11,235'). Spot 363 gallons 15% NEFe HCL Acid.

6-22-90 Perforate 11,080-11,086 (13 holes) & 10,570-10,576'(13 holes). RIH & set Pkr @ 10,454'.

6-23 thru 6-28-90 Flow well back. Determined packer was leaking.

6-29-90 RIH & set blanking plug in pkr @ 10,454'. POH w/ tbg & RIH with Model "R" Pkr. Set Pkr # 2 @ 10,448' (1' above on/off tool of Pkr # 1). Pressure test annulus to 500 psi. Tested OK. Pull blanking plug in Pkr # 1 @ 10,454'.

6-30-90 Flow test well into pipeline.

8-6-90 Acidize perfs 10,570-10,576' & 11,080-11,086' with 7500 gallons gelled 15% NEFe HCL acid with 500 SCF of Nitrogen/bbl. Flow well back to pipeline and prep to run four point test.

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

SIGNATURE Randy A. Bates TITLE Operations Engineer DATE August 31, 1990

TYPE OR PRINT NAME Randy A. Bates TELEPHONE NO. (915) 684-3861

(This space for State Use)

APPROVED BY Richard Ezeanyim TITLE DATE

CONDITIONS OF APPROVAL, IF ANY:

Submit to Appropriate
District Office
State Lease – 6 copies
Fee Lease – 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

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

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

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

RECEIVED
SEP 07 '90
ARTESIA, OFFICE

Form C-105
Revised 1-1-89

c/s1 BLM 3 cys

WELL API NO.

5. Indicate Type of Lease STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

b. Type of Completion: NEW WELL ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☒ DIFF RESVR ☒ OTHER

7. Lease Name or Unit Agreement Name: Mary K. Knobel

8. Well No.: 1

2. Name of Operator: Pacific Enterprises Oil Co. (USA)

9. Pool name or Wildcat: Carlsbad, South (Strawn)

3. Address of Operator: P.O. Box 3083 Midland, Texas 79702

4. Well Location
Unit Letter J : 1980 Feet From The South Line and 1980 Feet From The East Line
Section 32 Township 22S Range 27E NMPM Eddy County

10. Date Spudded	11. Date T.D. Reached	12. Date Compl. (Ready to Prod.)	13. Elevations (DF& RKB, RT, GR, etc.)	14. Elev. Casinghead
6/8/75	8/4/75		3162' GR	

15. Total Depth	16. Plug Back T.D.	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By	Rotary Tools	Cable Tools
12,003	11,253			0-12,003'	

19. Producing Interval(s), of this completion - Top, Bottom, Name: 10,570' - 11,086' (Strawn)

20. Was Directional Survey Made: No

21. Type Electric and Other Logs Run: None

22. Was Well Cored: No

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

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	48#	392'	17 1/2"	450 Sx	–
9 5/8"	Mixed Wts.	5,590'	12 1/4"	1400 Sx	–
4 1/2"	11.6#	12,003'	7 7/8"	1000 Sx	

24. **LINER RECORD**

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. **TUBING RECORD**

SIZE	DEPTH SET	PACKER SET
2 3/8"	10,448	10,448'

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

11,080'- 11,086' (13 Holes) - 6'
10,570' - 10,576 (13 Holes) - 6'

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
10,570-11,086	7500 gallons NEFe Acid w/
	500 SCF N_2/bbl.

PRODUCTION

28.

Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)	Well Status (Prod. or Shut-in)
	Flowing	Prod.

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
8/21/90	4	N/A		–		–	–

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)
1910	Packer		–	650	–	N/A

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

Test Witnessed By: John West Engineering

30. List Attachments

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

Signature Randy A Bates Printed Name Randy A. Bates Title Operations Engineer Date 8-31-90

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

RECEIVED
SEP 07 '90
O. C. D.
ARTESIA, OFFICE

Form C-122
Revised 10-1-78

c/s
F/e

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 8/21/90	
Company: Pacific Enterprises Oil Co.		Connection: Enron			Unit
Pool: South Carlsbad		Formation: Strawn			
Completion Date: 7/3/90	Total Depth: 12,003	Plug Back TD: 11,247	Elevation: 3,167 GL	Farm or Lease Name: Mary Knobel	
Csg. Size: 4 1/2 / Wt.: / d: / Set At: 11,986		Perforations: From 10,570 To 11,086		Well No.: 1	
Tbg. Size: 2 3/8 / Wt.: 4.7 / d: 1.995 / Set At: 10,447		Perforations: From open To end		Unit: J / Sec.: 32 / Twp.: 22S / Rge.: 27E	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: 10,447		County: Eddy	
Producing Thru: Tbg.	Reservoir Temp. °F: 178° @ 10,447'	Mean Annual Temp. °F: 60°	Baro. Press. – P_a: 13.2	State: NM	
L: 10,447 / H: 10,447	Gg: .588	% CO_2: .67	% N_2: 1.41	% H_2S: --	Prover: / Meter Run: 2.067 / Taps: Flg.

	FLOW DATA				TUBING DATA		CASING DATA		
NO.	Prover Line Size	x Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI						2134		Pkr.		24 hrs.
1.	2	x .750	360	14.00	57	1910		Pkr.		1 hr.
2.	2	x .750	360	29.00	60	1650		Pkr.		1 hr.
3.	2	x .750	360	35.00	60	1255		Pkr.		1 hr.
4.	2	x .750	360	62.00	60	1055		Pkr.		1 hr.
5.										

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1.	2.709	72.28	373.2	1.003	1.304	1.033	265
2.	2.709	104.03	373.2	1.000	1.304	1.033	380
3.	2.709	114.29	373.2	1.000	1.304	1.033	417
4.	2.709	152.11	373.2	1.000	1.304	1.033	555
5.							

NO.	P_r	Temp. °R	T_r	Z
1.	.55	517	1.47	.937
2.	.55	520	1.48	.937
3.	.55	520	1.48	.937
4.	.55	520	1.48	.937
5.				

Gas Liquid Hydrocarbon Ratio: Dry Gas Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: Dry Deg.
Specific Gravity Separator Gas: .588 xxxxxxxxx
Specific Gravity Flowing Fluid: xxxxx
Critical Pressure: *671 P.S.I.A. ____ P.S.I.A.
Critical Temperature: *347 R ____ R

P_c 2147.2 P_c^2 4610.5

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		1923.7	3700.7	909.8
2		1664.5	2770.5	1840.0
3		1270.3	1613.6	2996.9
4		1072.7	1150.7	3459.8
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.332$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.172$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = .650$

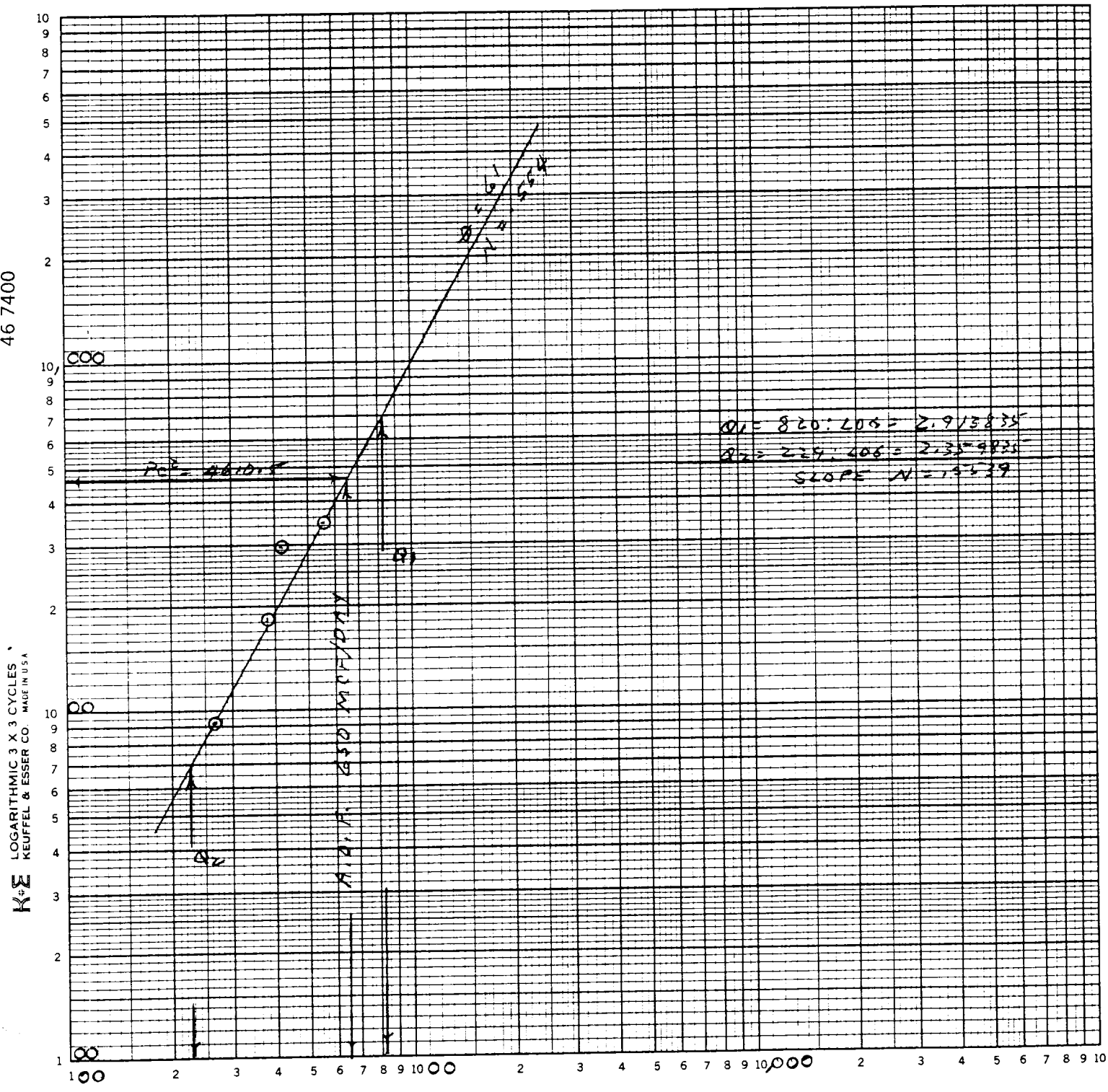
Absolute Open Flow: 650 Mcfd @ 15.025
Angle of Slope θ: 61
Slope, n: .554

Remarks: No fluid produced during test
* = corrected to 1.41 % N2

Approved By Division	Conducted By:	Calculated By:	Checked By:
	John West Engineering	BM	BM

PACIFIC ENTERPRISES OIL COMPANY
Mary Knobel No. 1

J - 32 - 22S - 27E
Eddy County, NM
August 21, 1990



Form C-122D
Adopted 9-1-65

WORKSHEET FOR CALCULATION OF STATIC COLUMN WELLHEAD PRESSURE (P_w)

COMPANY PACIFIC ENTERPRISES OIL CO. LEASE MARY KINOBEL WELL NO. 1 DATE 8-21-90

LOCATION: Unit J Section 32 Township 22S Range 22E

L 10447 H 10447 L/H 1.000 G .588 % CO_2 .67 % N_2 1.41 % H_2S —

d 1.995 F_r .018231 GH 6142.8 P_{cr} 671 (TABLE IX & X) T_{cr} 347 (TABLE IX & X)

	(1)		(2)		(3)		(4)			
LINE	1ST	2ND	1ST	2ND	1ST	2ND	1ST	2ND		
1 Q_m	.265	.265	.380	.380	.417	.417	.555	.555		
2 T_w (W.H. °R)	534	534	534	534	534	534	534	534		
3 T_s (B.H. °R)	638	638	638	638	638	638	638	638		
4 $T = (\frac{T_w + T_s}{2})$	586	586	586	586	586	586	586	586		
5 Z (Est.)	.829	.820	.841	.830	.867	.855	.883	.872		
6 TZ	485.7	480.5	492.8	486.3	508.0	501.0	517.4	510.8		
7 GH/TZ	12.644	12.783	12.464	12.629	12.090	12.260	11.871	12.021		
8 e^S (Table XIV)	1.606	1.615	1.591	1.605	1.573	1.583	1.560	1.569		
9 $1-e^{-S}$ (Table XIV)	.377	.380	.373	.377	.364	.368	.359	.362		
10 P_t	1923.2	1923.2	1665.2	1665.2	1268.2	1268.2	1068.2	1068.2		
11 $P_t^2/1000$	3698.7	3698.7	2766.2	2766.2	1608.3	1608.3	1141.1	1141.1		
12 F_t (Table XV)	.018231	.018231	.018231	.018231	.018231	.018231	.018231	.018231		
13 $F_c = F_r TZ$	8.856	8.760	8.984	8.867	9.262	9.134	9.433	9.315		
14 $F_c Q_m$	2.346	2.321	3.414	3.369	3.862	3.808	5.235	5.170		
15 $L/H (F_c Q_m)^2$	5.508	5.388	11.656	11.353	14.918	14.508	27.410	26.732		
16 $F_w = L/H (F_c Q_m)^2 (1-e^{-S})$	2.079	2.052	4.362	4.283	5.434	5.347	9.898	9.700		
17 $P_w^2 = P_t^2 + F_w$	3700.7	3700.7	2770.5	2770.5	1613.7	1613.6	1150.8	1150.7		
18 $P_s^2 = e^S P_w^2$	5946.0	5927.0	4421.4	4448.8	2538.5	2555.5	1796.2	1806.7		
19 P_s	2438.4	2434.7	2102.1	2109.2	1593.5	1598.6	1340.2	1343.9		
20 $P = (\frac{P_t + P_s}{2})$	2180.8	2183.9	1882.4	1886.2	1430.8	1433.6	1204.2	1206.0		
21 $P_r = (P/P_{cr})$	3.25	3.25	2.80	2.80	2.13	2.13	1.79	1.79		
22 $T_r = (T/T_{cr})$	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68		
23 Z (Table XI)	.820	.820	.830	.830	.855	.855	.872	.872		

* = P_w

One copy to be filed in District Office (Work copy acceptable)

Laboratory Services

1331 Tasker Drive
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

FOR: John West Engineering
Attention; Mr. Buz Thomason
412 N. Dal Paso
Hobbs,New Mexico 88240

STATION SAMPLE IDENTIFICATION: Mary K. Knobel #1
COMPANY: Pacific Enterprises
LEASE: Sec. 32 T 22s R 27 E
PLANT:

SAMPLE DATA: DATE SAMPLED: 08/21/90 1;06PM
ANALYSIS DATE: 08-23-90
PRESSURE - PSIG 360.00
SAMPLE TEMP. °F 60.00
ATMOS. TEMP. °F 85.00

GAS (XX) LIQUID ( )
SAMPLED BY: John West Eng.
ANALYSIS BY: Rolland Perry

REMARKS:

COMPONENT ANALYSIS

COMPONENT		MOL PERCENT	GPM
Oxygen	(O2)		
Hydrogen Sulfide	(H2S)		
Nitrogen	(N2)	1.41	
Carbon Dioxide	(CO2)	0.67	
Methane	(C1)	94.77	
Ethane	(C2)	2.49	0.664
Propane	(C3)	0.38	0.104
I-Butane	(IC4)	0.06	0.020
N-Butane	(NC4)	0.05	0.017
I-Pentane	(IC5)	0.01	0.004
N-Pentane	(NC5)	0.01	0.004
Hexane	(C6)	0.15	0.062
Heptanes Plus	(C7+)	0.00	0.000
		100.00	0.875

BTU/CU.FT. - DRY		1023	MOLECULAR WT	17.0169
AT 14.650	DRY	1019		
AT 14.650	WET	1002	26# GASOLINE -	0.076
AT 15.025	DRY	1046		
AT 15.025	WET	1027		
SPECIFIC GRAVITY -				
CALCULATED		0.588		
MEASURED		0.000		

Submit 3 Copies to Appropriate District Office

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

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

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

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-103
Revised 1-1-89

clst
Dp

WELL API NO.
30-015-21551

5. Indicate Type of Lease STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

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

7. Lease Name or Unit Agreement Name
Mary K. Knobel

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

2. Name of Operator
Pacific Enterprises Oil Company (USA)

8. Well No.
#1

3. Address of Operator
P.O. Box 2500, Casper, Wyoming 82602

9. Pool name or Wildcat
Carlsbad South (Strawn)

4. Well Location
Unit Letter J : 1980 Feet From The South Line and 1980 Feet From The East Line

Section 32 Township 22S Range 27E NMPM Eddy County

10. Elevation *(Show whether DF, RKB, RT, GR, etc.)*
3162 GR

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	☐		
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.

Pacific Enterprises Oil Company (USA) proposes to plug and abandon the subject well pursuant to the attached procedure. Proposed operations are estimated to commence by October 1, 1991.

* Note Changes

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

SIGNATURE Michael D Brown TITLE Operations Engineer DATE

Michael D. Brown
TYPE OR PRINT NAME

TELEPHONE NO.

(This space for State Use)

APPROVED BY G Gerdes TITLE Field Rep DATE 9/27/91

CONDITIONS OF APPROVAL, IF ANY:

Notify N.M.O.C.C. in sufficient time to witness

Plug #1

PACIFIC ENTERPRISES OIL COMPANY (USA)
800 Werner Court, Suite 200
P.O. Box 2500
Casper, WY 82602-2500

ABANDONMENT PROCEDURES
MARY K. KNOBEL #1

1980' FSL AND 1980' FEL
NWSE SECTION 32, T22N, R27E
EDDY COUNTY, NEW MEXICO

Objective:

Plug and abandon

Pertinent Data:

W.I. - 100%		GL:	3,162'
R.I. - 74.79%		KB:	3,178'
PP# - 72146		TD:	12,003'
AFE# - 800		PBTD:	11,235'
API# - 30-015-21551			

Subsurface Data:

Surface:	13-3/8", 48 #/ft, H-40 at 390'. Cement with 450 sx Class "C", circulate to surface.
Intermediate:	9-5/8", mixed grades at 5,597'. Cement with 1000 sx Lite, tail in with 400 sx Class "C", 10% salt. TOC estimated at 1,500'.
Production:	4-1/2", 11.6 #/ft, mixed grades at 11,990'. Cement with 1000 sx Class "H". TOC at 8,200', wireline study.
Tubing:	2-3/8", 4.7 #/ft, N-80 to 10,440' (Burst=11,200 psi)
Packers:	Model "R" at 10,448' (12K# compression) Lok-Set with on/off tool at 10,481'. Guiberson Uni VI with on/off tool at 11,253' (stuck)
Nipples:	1.87", Baker "F" at 10,440' (Model "R") 1.78" Baker "R" at 10,501' (Lok-Set) 1.78" "F" with plug in place at 11,253' (Uni VI)

Perforations:

Strawn:	10,570' to 10,576', 4" casing guns, 2 SPF, 13 holes
Lower Atoka:	11,080' to 11,086', 4" casing guns, 2 SPF, 13 holes
Morrow:	11,339' to 11,925' gross, through tubing, isolated with Uni VI packer and plug, 2 sx 20/40 sand on plug.

Procedures:

1) MI & RU workover rig. Blow well down. Load tubing and casing with 2% KCl water. ND tree and NU BOP. Release Model "R" packer at 10,448'. POOH with tubing and LD packer.

2) PU and RIH with retrieving head on 2-3/8" tubing. Latch on/off tool and Lok-Set packer at 10,481'. Release packer. POOH with tubing and LD packer and tools.

3) RU wireline and set CIBP above Atoka perforations at ±11,050'. RIH with dump bailer and dump 35' of cement on top of CIBP. Set second CIBP above Strawn perforations at ±10,540'. RIH with dump bailer and dump 35' of cement on CIBP. RD wireline. (Run CCL strip and set CIBP to avoid collars.)

4) RIH with tubing open ended to top of cement. Circulate wellbore clean with 9 #/gal gelled fresh water. POOH with tubing and stand back 5,800'.

5) RU wireline and cut off 4-1/2" production casing at 5,625'. POOH and LD casing. RIH with tubing open ended to top of 4-1/2" stub. Spot 150' balanced cement plug in and out of 4-1/2" stub and across the base of the 9-5/8" casing. POOH with tubing standing back 400'.

6) Perforate 9-5/8" intermediate with 4 holes at 400'. Set cement retainer on wireline at 375'. RD wireline. PU and RIH with stinger on 2-3/8" tubing. Sting into retainer and pump 50 sx Class "G" cement across 13-3/8" shoe through squeeze holes. POOH and LD tubing. Estimate TOC in 9-5/8" x 13-3/8" annulus at 250'.

7) Cut off casing strings and casinghead 4' below surface. Spot 10 sx surface plug. RD and release rig.

8) Install dry hole marker, 4" in diameter extending 4' above the ground level. The marker shall have welded onto it the following:

    Pacific Enterprises Oil Company (USA)
    Mary K. Knobel #1
    NWSE Section 32, T22N, R27W

10) Clean up and restore location.

NOTIFY: Mike Williams, Artesia District Office, State of New Mexico Oil Conservation Division, Phone: (505)748-1283, at least 24 hours prior to initiating plugging operations.

Prepared By: Michael D Brown Date: 9-9-91
M. D. Brown
Operations Engineer

Reviewed By: Bill Allen Date: 9/9/91
B. M. Allen
Production Superintendent

Reviewed By: C C Parsons Date: 9/5/91
C. C. Parsons
Production Engineering Manager

Approved By: [signature] Date: 9-9-91
Thomas E. Walton
Regional Manager - Operations

MDB:tlm

Current Wellbore

PACIFIC ENTERPRISES OIL COMPANY (USA)
800 Werner Court, Suite 200
P.O. Box 2500
Casper, WY 82602-2500

Mary K. Knobel
Sec. 32 - T22S - R27E
1980' FSL, 1980 FEL
Carlsbad South Field
Eddy County, N.M.

3162' GR

3178' KB

13 3/8" 48# H-40 @ 390' circ. to sfc.

9 5/8" mixed @ 5597'

2 3/8" 4.7# N-80 tbg. to sfc.

T.O.C. @ 8200'

1.87" "F" Nipple @ 10,440'
Model "R" pkr @ 10,448' 12K# comp.

on/OFF Tool & 1.78" "R" nipple @ 10501'
Wok-set pkr @ 10,481'

Strawn: 10,570-576 2 SPF 4"

Lower Atoka: 11,080-086 2 SPF 4"

Acidize w/ 7500g 15% gelled NEFE w/ 500 SCF/Bbl N_2

PBTD @ 11,235'

Chemical cut 2 3/8" tbg above pkr. @ 11,250'
Guiberson Uni III pkr w/ on/off tool w/ plug in place @ 11,253', 2 sxs 20/40 on pkr.

Morrow Perfs: 11,339' - 11,925' gross

PBTD @ 11,958'

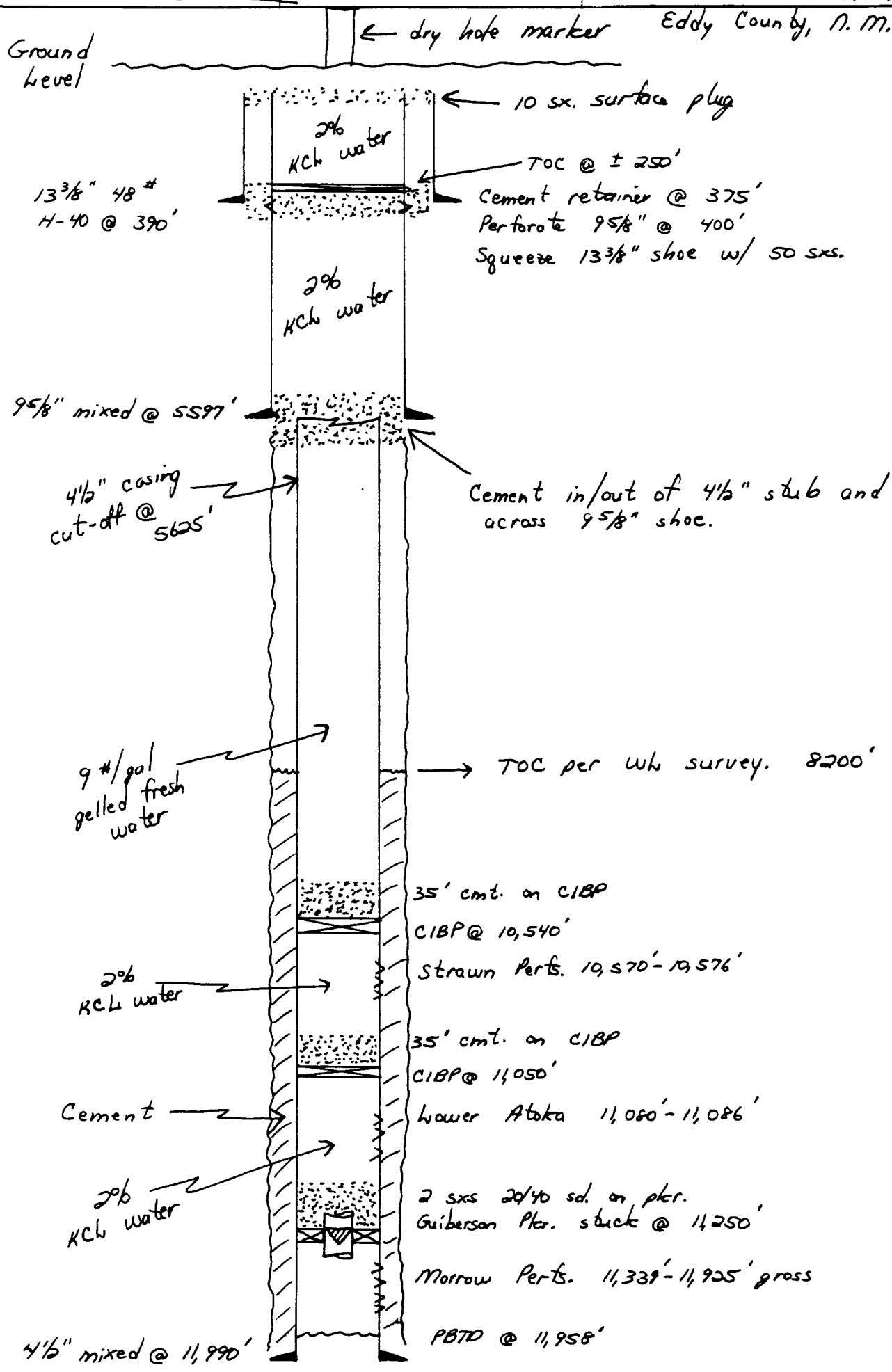
4 1/2" mixed @ 11,990'

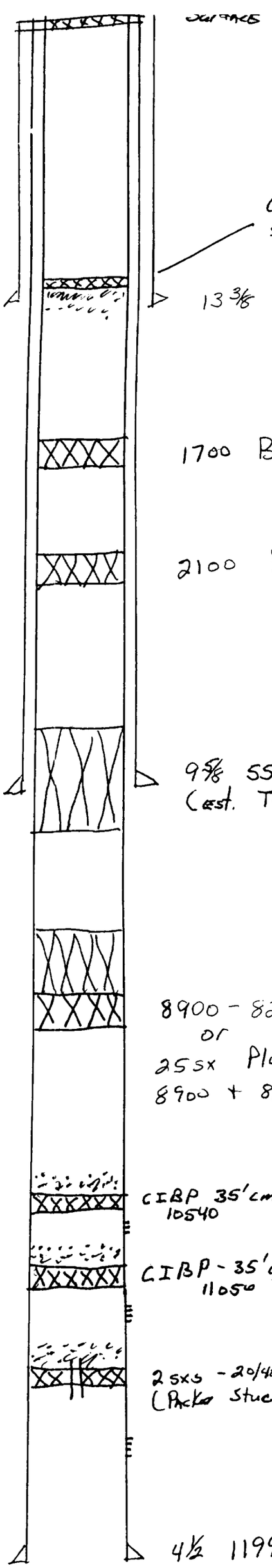
TD 12,003'

AFTER PLUGGING

Mary K. Knobel
Sec. 32-T22S-R27E
Eddy County, N. M.

PACIFIC ENTERPRISES OIL COMPANY (USA)
800 Werner Court, Suite 200
P.O. Box 2500
Casper, WY 82602-2500





350 TX

1645 Bx

2065 Delaware

5438 Bone Spri

88'40 Wolfcamp

10 117 Penn.

10265 Strawn

10635 Atoka

11 149 Mor Is

11414 Mor Cl

Energy & Minerals Dept.

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504

GAS
SUPPLEMENT
NUMBER (SE) AR-727

DATE 11-3-91

NOTICE OF ASSIGNMENT OF ALLOWABLE TO A GAS WELL

The operator of the following well has complied with all the requirements of the Oil Conservation Division and the well is assigned an allowable as shown below.

Date of Connection _____ Date of First Allowable or Allowable Change _____
Purchaser Transwestern Pipeline Co. Pool South Carlsbad Morrow
Operator Pacific Enterprises Oil Co. (USA) Lease Mary K. Knobel
Well No 1 Unit Letter J Sec 32 Twn 22 Rge 27
Dedicated Acreage 320 Revised Acreage _____ Difference _____
Acreage Factor 1.00 Revised Acreage Factor _____ Difference _____
Deliverability _____ Revised Deliverability _____ Difference _____
A x D FACTOR _____ Revised A x D Factor _____ Difference _____

OCD District No. II

PLUG & ABANDON 11-2-91

CALCULATION OF SUPPLEMENT ALLOWABLE

Previous Status Adjustments.....

Month	%of Mo	Prev Allow	Rev Allow	Prev Prod	Rev Prod	REMARKS
Apr						
May						
June						
July						
Aug						
Sept						
Oct						
Nov						
Dec						
Jan						
Feb						
Mar						
Apr						
May						
June						
July						
Aug						
Sept						
Oct						
Nov						
Dec						
TOTALS						
Allowable Prod Difference.....						
Sheldule O/U Status.....						
Revised O/U/ Status.....						Effective In Schedule
						Current Classification

Note: All gas volumes are in MCF @ 15.025 psia

William J. LeMay, Division Direc

Submit 3 Copies to Appropriate District Office

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

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

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

State of New Mexico
Energy, ...ls and Natural Resources Department

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

RECEIVED
NOV 14 1991
O. C. D.
ARTESIA, OFFICE

Form C-103
Revised 1-1-89

c15F
dp

WELL API NO.
30-015-21551

5. Indicate Type of Lease STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

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

7. Lease Name or Unit Agreement Name
Mary K. Knobel

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

2. Name of Operator
Pacific Enterprises Oil company (USA) ✓

8. Well No.
1

3. Address of Operator
4245 Kemp, Suite 600, Wichita Falls, TX 76308

9. Pool name or Wildcat
Carlsbad South (Strawn)

4. Well Location
Unit Letter J : 1980 Feet From The south Line and 1980 Feet From The East Line

Section 32 Township 22N Range 27E NMPM Eddy County

10. Elevation *(Show whether DF, RKB, RT, GR, etc.)*
3162 GR

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 ☐	
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.

10-29-91: ND tree, NU BOP's. Unseat pkr. Displace hole w/200 bbls 9# brine wtr & TOH.

10-30-91: Rel Lok-set pkr @ 10,487, TOOH & LD pkr. TIH w/tbg to 11,100'. Spot 75 sx CL "H" cmt across Atoka & Strawn.

10-31-91: Tagged cmt plug @ 10,141'. POH to 8922'. Spot 50 sx CL "H". Plug f/8246'-8922'. Perf @ 5700'.

11-01-91: TIH w/2 3/8" tbg, set ret @ 5533'. Est circ to 4 1/2"-9 5/8" annulus. Load annulus w/200 BLWTR & pmp'd 75 sx CL "C" neat, dumped 35' cmt on cmt retainer.

11-02-91: TOOH w/2 3/8" tbg, perf @ 2100' (4 holes). Set cmt ret @ 1690', circ 200 sx CL "C" neat up 4 1/2"-9 5/8" annulus. Dump 35' cmt on ret. Perf @ 400' (4 holes). Pmp 130 sx CL "C" neat dn 4 1/2" , up 4 1/2"-9 5/8" annulus, bullheaded 135 sx CL "C" neat dn 9 5/8" -13 3/8" annulus. Weld on dry hole marker, set in cmt.

P & A witnessed by Gary Williams of the New Mexico OCD.

Post ID-2
12-6-91
P & A

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

SIGNATURE Stan Smith TITLE Production Engineering Manager DATE 11/08/91

TYPE OR PRINT NAME Stan M. Smith TELEPHONE NO. (817) 692-3003

(This space for State Use)

APPROVED BY [signature] TITLE Field Rep DATE 4/15/93

CONDITIONS OF APPROVAL, IF ANY:

N MEXICO OIL CONSERVATION DIVIS.
P.O. DRAWER DD
ARTESIA, NEW MEXICO 88210

DATE December 5, 1991

Pacific Enterprises Oil Co.(USA)

4245 Kemp, Suite 600

Wichita Falls, TX 76308

MAR 3 1992

O. C. D.
ARTESIA, OFFICE

Re: Plugging Reports

Gentlemen:

Form C-103 Report of Plugging for your Mary K. Knobel #1 J-32-22S-27E
Lease Well No. Ut. S-T-R

cannot be approved until an N.M.O.C.D. representative has made an inspection of the location and found it to be cleared to comply with Division Rules and Regulations. Please check each item in the space provided to indicate that the work has been done.

(X) 1. All pits have been filled and leveled.

(X) 2. Rat hole and cellar have been filled and leveled.

(X) 3. A steel marker 4" in diameter and approximately 4' above mean ground level has been set in concrete. It must show the quarter-quarter section or unit designation, section, township and range numbers which have been permanently stenciled or welded on the marker.

(X) 4. The location has been leveled as nearly as possible to original top ground contour and has been cleared of all junk and equipment.

(X) 5. The dead men and tie downs have been cut and removed.

(X) 6. If a one well lease or last remaining well on lease, the battery and burn pit locations have been leveled and cleared of all junk & equipment.

The above are minimum requirements and no plugging bond will be cancelled until all locations for plugged and abandoned wells have been inspected and Form C-103 approved.

When all of the work outlined above has been done, please notify this office by filling in the blank form below and returning this letter to us so that our representative will not have to make more than one trip to the location.

OIL CONSERVATION DIVISION

SUPERVISOR, DISTRICT II

FILL IN BELOW AND RETURN

I certify that the above work has been done and the above mentioned lease is ready for your inspection and approval.

NAME

OPERATIONS ENGINEER
TITLE

PACIFIC ENTERPRISES OIL COMPANY (USA)

4245 Kemp Blvd
Suite 600
Wichita Falls, TX 76308
(817) 692-3003
(817) 689-2343

MAR 23 1992
O. C. D.
ARTESIA, OFFICE

March 18, 1992

Oil Conservation Division
P.O. Drawer DD
Artesia, NM 88210
Attn: Mike Williams
Supervisor, District II

RE: Form C-103 Plugging Report
Mary K. Knobel #1 J-32-22S-27E

Please find enclosed certification that the work for the above referenced well has been completed.

If you need any additional information, or have any questions, please contact Don Black at (817) 692-3003.

Regards,

PACIFIC ENTERPRISES OIL
COMPANY (USA)

Stan M. Smith
Regional Operations Manager

SMS/DLB/jh

Enclosure

Submit 3 Copies to Appropriate District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

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

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

OIL CONSERVATION DIVISION

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

WELL API NO. 30-015-21551

5. Indicate Type of Lease STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

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

7. Lease Name or Unit Agreement Name: Mary K. Knobel

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

2. Name of Operator: Pacific Enterprises Oil Co. (USA) c/o Hunt Oil Company

8. Well No. 1

3. Address of Operator: P. O. Box 1350, Midland, Texas 79702

9. Pool name or Wildcat: Carlsbad South (Strawn)

4. Well Location
Unit Letter J : 1980 Feet From The South Line and 1980 Feet From The East Line

Section 32 Township 22S Range 27E NMPM Eddy County

10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3162' GR

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	☐		
OTHER:	☐			OTHER: Clean-Up	☐		

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.

M&M Excavating, Inc., Carlsbad New Mexico, moved tank off of location @ 4/01/93.

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

SIGNATURE Don Yoder TITLE Sr. Operations Engineer DATE 5-11-93

TYPE OR PRINT NAME Don Yoder TELEPHONE NO. 915/684-8093

(This space for State Use)

APPROVED BY [signature] TITLE [signature] DATE 5/12/93

CONDITIONS OF APPROVAL, IF ANY:

[illegible] 10408

[illegible] 6H6 acoustilog
D-2153'

Ogrid - 5268
prop - 4726
POOLCODE: SWD; DELAWARE 96100

SWD #118
5-14-71

protection of correlative rights; upon failure of applicant to comply with any requirement of this order after notice and hearing, the Commission may terminate the authority hereby granted in the interest of conservation. That applicant shall submit monthly reports of the disposal operation in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

APPROVED at Santa Fe, New Mexico, on this 14th day of May, 1971.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

A. L. PORTER, Jr.
Secretary-Director

S E A L

RECEIVED

MAY 20 1971

O. C. C.
ARTESIA, OFFICE

SUBJECT: SALT WATER DISPOSAL WELL ORDER NO. SWD-118

THE APPLICATION OF CORINNE GRACE FOR A SALT WATER DISPOSAL WELL.

ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION COMMISSION

Under the provisions of Rule 701 (C) Corinne Grace, made application to the New Mexico Oil Conservation Commission on May 11, 1971, for permission to complete for salt water disposal her Salty Bill Well No. 1 located in Unit C of Section 36, Township 22 South, Range 26 East, NMPM, South Carlsbad Field, Eddy County, New Mexico.

The Secretary-Director finds:

1. That application has been duly filed under the provisions of Rule 701 (C) of the Commission Rules and Regulations;

2. That satisfactory information has been provided that all offset operators, surface owners, and the New Mexico State Engineer Office have been duly notified;and

3. That the applicant has presented satisfactory evidence that all requirements prescribed in Rule 701 (C) will be met.

4. That waivers of objection have been received from the offsetting operators and the waiting period prescribed by said rule may be dispensed with at this time.

IT IS THERFORE ORDERED:

(1) That the applicant herein, Corinne Grace, is hereby authorized to complete her Salty Bill Well No. 1 located in Unit C of Section 36, Township 22 South, Range 26 East, NMPM, South Carlsbad Field, Eddy County, New Mexico, in such a manner as to permit the injection of salt water for disposal purposes into the Delaware formation under a packer and into the open-hole interval from approximately 1800 feet to approximately 2050 feet through 2 1/16-inch tubing and to permit the injection of fresh water into the salt section for brine recovery purposes through a parallel string of 2 1/16-inch tubing above the packer.

PROVIDED HOWEVER, that the applicant shall set the 5 1/2-inch disposal casing string in the Delaware formation and cement said string back into the base of the salt section;

PROVIDED FURTHER, that the applicant shall set a DV Tool at the top of the salt section and cement the 5 1/2-inch casing string back to the surface.

IT IS FURTHER ORDERED:

That jurisdiction of this cause is hereby retained by the Commission for such further order or orders as may seem necessary or convenient for the prevention of waste and/or

MICHAEL F. McCORMICK
ATTORNEY-AT-LAW
P. O. BOX 1240
TELEPHONE 885-5972
CARLSBAD, NEW MEXICO 88220

RECEIVED
JAN 15 1971
O. C. C.
ARTESIA, OFFICE

January 13, 1971

Mr. W. A. Gressett, Supervisor &
Oil & Gas Inspector
Oil Conservation Commission
Drawer DD
Artesia, New Mexico 88210

Dear Mr. Gressett:

This letter is to inform you that the City of Carlsbad has no objection to the following proposed location of a shallow well located in Sec. 36, Township 22 S, Range 26 E, N.M.P.M.:

> A shallow well going to a depth of 600' located 660' from the North line and 2,725.5' from the East line of said section.

I am informed that this location will not interfer with the operations of the Cavern City Air Terminal. As long as the well is drilled at the above location, the City of Carlsbad has no objection to drilling permits being issued.

Very truly yours,

Michael F. McCormick

MICHAEL F. McCORMICK
City Attorney

MFM:pc

cc: Mr. A. L. Porter, Jr., Oil Conservation Commission
Mr. Claude Tabor, City Administrator
Mr. Walter Gerrells, Mayor

Y MEXICO OIL CONSERVATION COMMIS N

WELL LOCATION AND ACREAGE DEDICATION PLAT

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

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

Operator	Lease	Well No.
CORRINE GRACE	~~SALT WATER DISPOSAL~~ BRINE SUPPLY WELL	1

Unit Letter	Section	Township	Range	County
B & C	36	22 SOUTH	26 EAST	EDDY

Actual Footage Location of Well:
660 feet from the NORTH line and 2725.5 feet from the EAST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
			Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

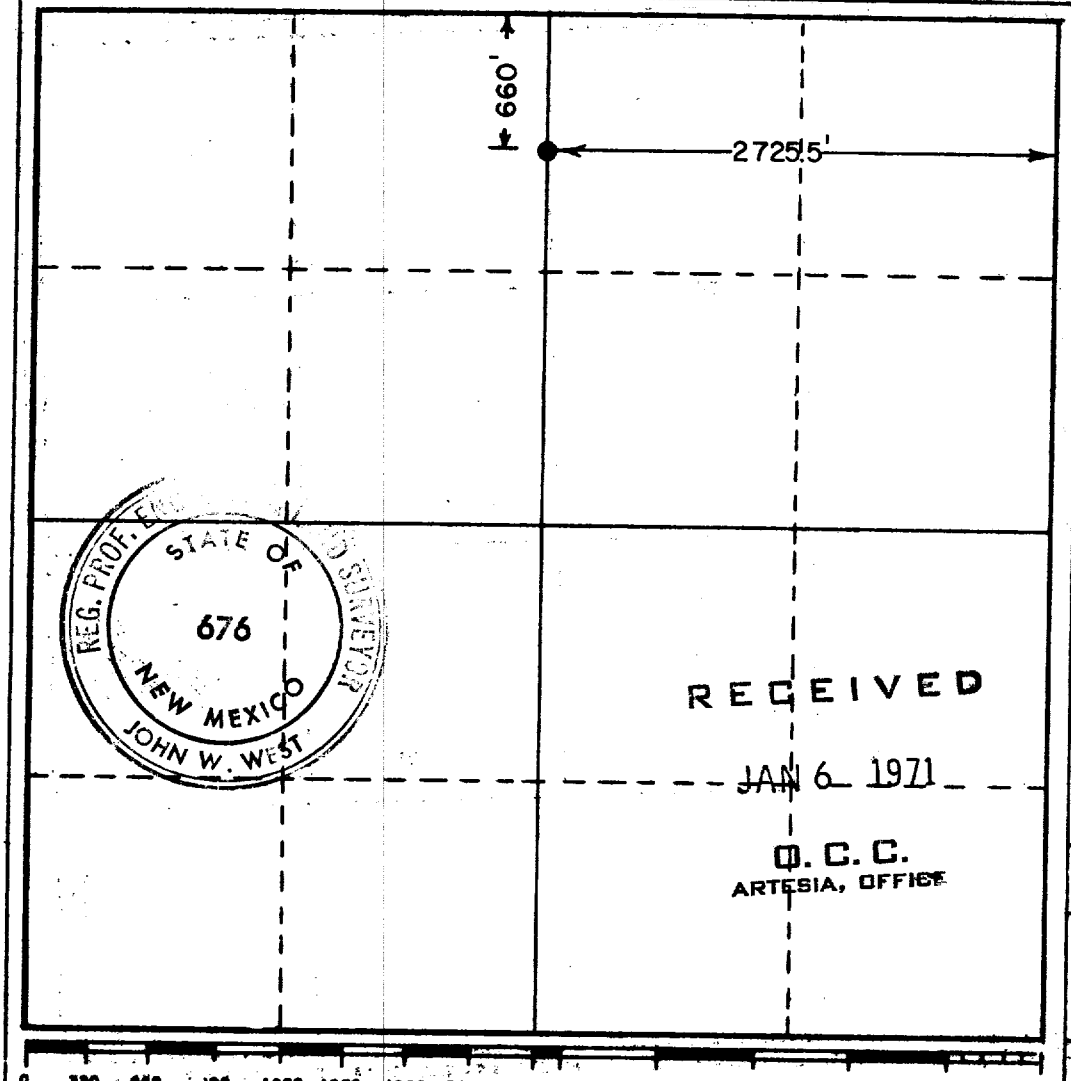
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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

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

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



RECEIVED
JAN 6 1971
O. C. C.
ARTESIA, OFFICE

CERTIFICATION

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

Name

Position

Company

Date

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

Date Surveyed
DECEMBER 17, 1970

Registered Professional Engineer and/or Land Surveyor
John W West

Certificate No. 676

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NEW MEXICO OIL CONSERVATION COMMISSION
JAN 11 1971
O. C. C.
ARTESIA, OFFICE

30-015-10908
Form C-101
Revised 1-1-65

5A. Indicate Type of Lease STATE [X] FEE [ ]

5. State Oil & Gas Lease No. K-6290

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. Type of Well
OIL WELL [ ] GAS WELL [ ] OTHER Brine Supply Well SINGLE ZONE [X] MULTIPLE ZONE [ ]

7. Unit Agreement Name

8. Farm or Lease Name: Brine Supply

2. Name of Operator: Corinne Grace

9. Well No.: 1

3. Address of Operator: c/o Oil Reports & Gas Services, Inc., Box 763, Hobbs, N. M. 88240

10. Field and Pool, or Wildcat

4. Location of Well UNIT LETTER B LOCATED 660 FEET FROM THE North LINE AND 2025.5 (2725.5) FEET FROM THE East LINE OF SEC. 36 TWP. 22S RGE. 26E NMPM

12. County: Eddy

19. Proposed Depth	19A. Formation	20. Rotary or C.T.
600	Salt	Rotary

21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
	Blanket		Upon approval

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
9	7"	23#	580	250	circ.

To circulate fresh water thru tubing to obtain brine water for drilling purposes.

APPROVAL VALID FOR 90 DAYS UNLESS DRILLING COMMENCED,
EXPIRES 4-15-71

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed Monna Holles Title Agent Date 1/8/71

(This space for State Use)

APPROVED BY W. A. Gressett TITLE OIL AND GAS INSPECTOR DATE JAN 15 1971

CONDITIONS OF APPROVAL, IF ANY:

Cement must be circulated to surface behind 7" casing

N MEXICO OIL CONSERVATION COMMIS N
WELL LOCATION AND ACREAGE DEDICATION PLAT

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

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

Operator	Lease	Well No.
Corinne ~~Corrine~~ Grace	~~Brine-Source~~ Salty Bill	1

Unit Letter	Section	Township	Range	County
C	36	22 South	26 East	Eddy

Actual Footage Location of Well:
660 feet from the NORTH line and 1980 feet from the WEST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
	Salt		Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

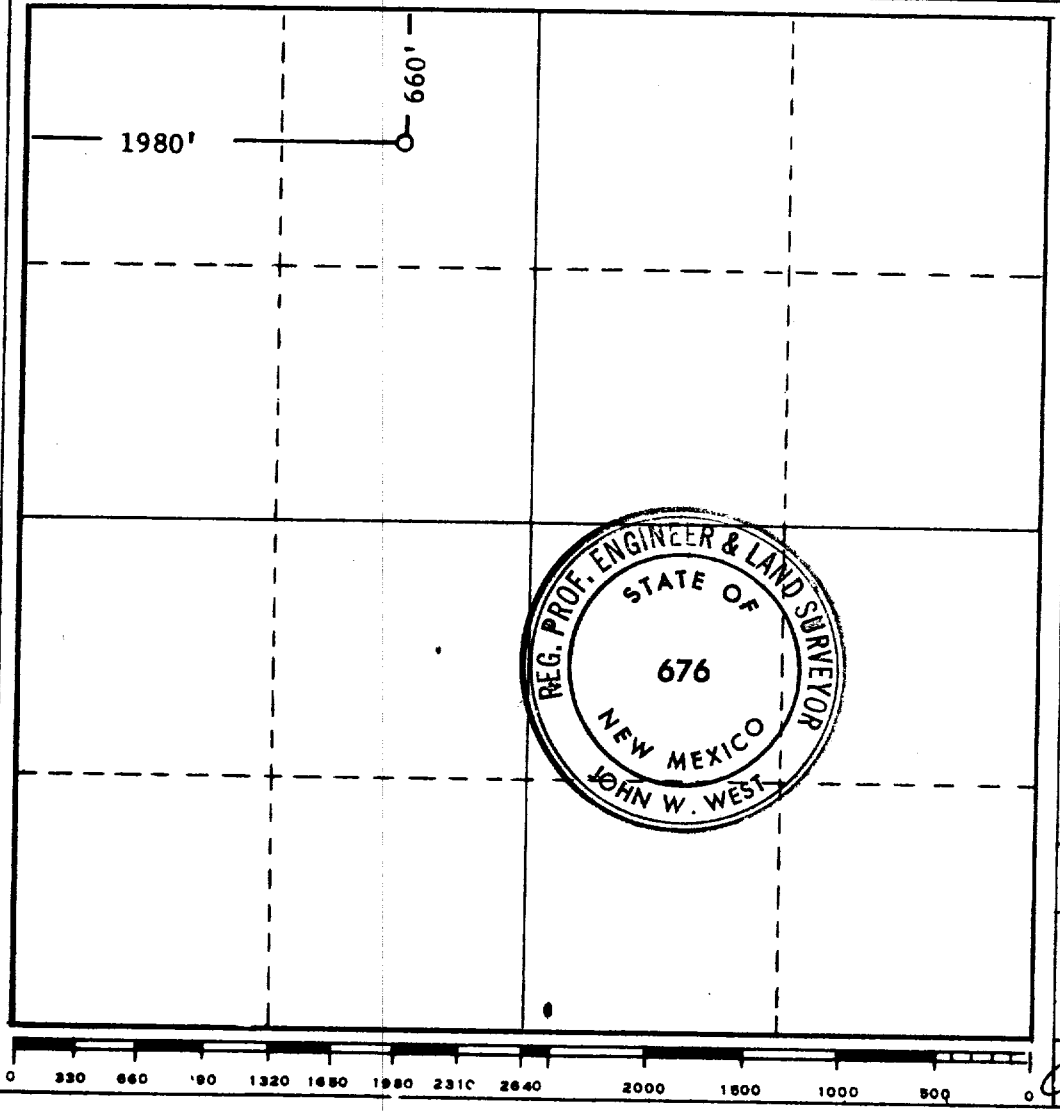
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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

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

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



CERTIFICATION

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

Name: Donna Holder
Position: Agent
Company: Corinne Grace
Date: 2/10/71

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

Date Surveyed: 2-1-1971

Registered Professional Engineer and/or Land Surveyor
John W West

Certificate No. 676

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NEW MEXICO OIL CONSERVATION COMMISSION

FEB 11 1971

O. C. C.
ARTESIA, OFFICE

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease STATE [X] FEE [ ]

5. State Oil & Gas Lease No. K - 6290

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

b. Type of Well DRILL [X] DEEPEN [ ] PLUG BACK [ ]
OIL WELL [ ] GAS WELL [ ] OTHER Brine Supply Well SINGLE ZONE [ ] MULTIPLE ZONE [ ]

7. Unit Agreement Name

8. Farm or Lease Name: Salty Bill

2. Name of Operator: Corinne Grace ✓

9. Well No.: 1

3. Address of Operator: c/o Oil Reports & Gas Services, Inc. - Box 763 - Hobbs, New Mexico

10. Field and Pool, or Wildcat

4. Location of Well: UNIT LETTER C LOCATED 660 FEET FROM THE North LINE AND 1980 FEET FROM THE West LINE OF SEC. 36 TWP. 22 S RGE. 26 E NMPM

12. County: Eddy

19. Proposed Depth	19A. Formation	20. Rotary or C.T.
735	Salt	Rotary

21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
	Blanket		2/12/71

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17 1/2	13 3/8	54#	565	400	Circ.

To circulate fresh water thru tubing to obtain brine water for drilling purposes.

NOTE: Please cancel application for Brine Supply Well 2725.5' from East line and 660' from North line Section 36, T22S, R26E.

APPROVAL VALID FOR 90 DAYS UNLESS DRILLING COMMENCED,
EXPIRES 5-11-71

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed Donna Kolleo Title Agent Date 2/10/71

(This space for State Use)

APPROVED BY W. A. Gressett TITLE OIL AND GAS INSPECTOR DATE FEB 11 1971

CONDITIONS OF APPROVAL, IF ANY: Cement must be circulated to surface behind 13 3/8 casing

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MAR 30 1971

O. C. C.
ARTESIA, OFFICE

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

5a. Indicate Type of Lease
State [X] Fee [ ]

5. State Oil & Gas Lease No.
K-6290

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL [ ] GAS WELL [ ] OTHER- **Brine Supply Well**

7. Unit Agreement Name

2. Name of Operator
Corinne Grace ✓

8. Farm or Lease Name
Salty Bill

3. Address of Operator
c/o Oil Reports & Gas Services, Inc., Box 763, Hobbs, New Mexico

9. Well No.
1

4. Location of Well
UNIT LETTER **C**, **660** FEET FROM THE **North** LINE AND **1980** FEET FROM THE **West** LINE, SECTION **36** TOWNSHIP **22 S** RANGE **26 E** NMPM.

10. Field and Pool, or Wildcat

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

12. County
Eddy

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK [ ]	PLUG AND ABANDON [ ]	REMEDIAL WORK [ ]	ALTERING CASING [ ]
TEMPORARILY ABANDON [ ]		COMMENCE DRILLING OPNS. [X]	PLUG AND ABANDONMENT [ ]
PULL OR ALTER CASING [ ]	CHANGE PLANS [ ]	CASING TEST AND CEMENT JOB [X]	
OTHER [ ]		OTHER [ ]	

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

Spudded 6:00 P M 2/12/71. Drilled to 716' encountered no salt. Cemented 13 3/8" 48# H-40 casing at 364' with 400 sacks Trinity Lite Wate and 100 sacks Class "C" 2% calcium chloride. Cement circulated to surface when 400 **sacks mixed. Plug down 2:30 P M 2/23/71. Shut down pending study of possibilites of deepening.**

Note: Verbal approval from Mr. W. A. Gressett to set approximately 350' casing rather than 565' as originally proposed and approved.

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

SIGNED Monna Holler TITLE **Agent** DATE **3/29/71**

APPROVED BY W. A. Gressett TITLE OIL AND GAS INSPECTOR DATE MAR 30 1971

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO
OIL CONSERVATION COMMISSION
DRAWER DD ARTESIA, N. M. 88210
December 10, 1971

Corinne Grace

c/o Oil Reports & Gas Service, Inc.

P. O. Box 763, Hobbs, New Mexico 88240

Re: Salty Bill #1-C, 36-22-26

Eddy County, New Mexico

This office has received no report covering the subject (drilling) ~~(inactive)~~ well since Commission Form C-103 dated 3/30/71. Please file Form C-103 showing current well status, any work performed on the well subsequent to the last report ~~and/or future plans for the well~~.

W. A. Gressett

Very truly yours,

OIL CONSERVATION COMMISSION

Memo

From
LELAND MERMIS

To 6-2-77

Re Corrine Grace Sally Bill #1 SWD

36-22-26

Back side is open. No packer or tubing leaks. Small water leak at air bleed off valve.

Weeds, junk and a show of old places around tank area that show where salt water had been dumped.

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O. C. C.
ARTESIA, OFFICE

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

5a. Indicate Type of Lease: State [X] Fee [ ]

5. State Oil & Gas Lease No.: K-6290

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL [ ] GAS WELL [ ] OTHER- **Brine Supply Well**

7. Unit Agreement Name:

2. Name of Operator: **Corinne Grace**

8. Farm or Lease Name: **Salty Bill**

3. Address of Operator: **c/o Oil Reports and Gas Services, Inc., Box 763, Hobbs, N. M. 88240**

9. Well No.: **1**

4. Location of Well: UNIT LETTER **C**, **660** FEET FROM THE **North** LINE AND **1980** FEET FROM THE **West** LINE, SECTION **36** TOWNSHIP **22 S** RANGE **26 E** NMPM.

10. Field and Pool, or Wildcat:

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

12. County: **Eddy**

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK [ ]	PLUG AND ABANDON [ ]	REMEDIAL WORK [ ]	ALTERING CASING [ ]
TEMPORARILY ABANDON [ ]		COMMENCE DRILLING OPNS. [ ]	PLUG AND ABANDONMENT [ ]
PULL OR ALTER CASING [ ]	CHANGE PLANS [ ]	CASING TEST AND CEMENT JOB [ ]	
OTHER [ ]		OTHER **Well Status** [X]	

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

Operations suspended at total depth of 716' pending study of possibilities of deepening.

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

SIGNED Monna Kolles TITLE **Agent** DATE **1/14/72**

APPROVED BY For Record Only W. A. Gressett TITLE OIL AND GAS INSPECTOR DATE FEB 1 1972

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MAR 24 1972

O. C. C.

ARTESIA, OFFICE

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

5a. Indicate Type of Lease State [X] Fee [ ]

5. State Oil & Gas Lease No. **K-6290**

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL [ ] GAS WELL [ ] OTHER- **Brine Supply Well**

7. Unit Agreement Name

2. Name of Operator **Corinne Grace** ✓

8. Farm or Lease Name **Salty Bill**

3. Address of Operator **c/o Oil Reports & Gas Services, Inc., Box 763, Hobbs, N. M. 88240**

9. Well No. **1**

4. Location of Well UNIT LETTER **C**, **660** FEET FROM THE **North** LINE AND **1980** FEET FROM THE **West** LINE, SECTION **36** TOWNSHIP **22 S** RANGE **26 E** NMPM.

10. Field and Pool, or Wildcat

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

12. County **Eddy**

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK [ ]	PLUG AND ABANDON [ ]	REMEDIAL WORK [ ]	ALTERING CASING [ ]
TEMPORARILY ABANDON [ ]		COMMENCE DRILLING OPNS. [ ]	PLUG AND ABANDONMENT [ ]
PULL OR ALTER CASING [ ]	CHANGE PLANS [ ]	CASING TEST AND CEMENT JOB [ ]	
OTHER [ ]		OTHER **Supplemental Well History** [X]	

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

To amend C-103 dated 1/14/72 to read as follows:

Moved in rotary rig 5/18/71. Drilled to 2208'. Moved out rig 5/24/71. Operation suspended waiting on study of feasibility of converting to salt water disposal well as per Administrative Order SWD-118.

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

SIGNED Donna Kolla TITLE **Agent** DATE **3/23/72**

APPROVED BY For Record Only TITLE OIL AND GAS INSPECTOR DATE MAR 30 1972

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Form C-105
Revised 1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease: State [X] Fee [ ]

5. State Oil & Gas Lease No.: K-6290

1a. TYPE OF WELL

b. TYPE OF COMPLETION: OIL WELL [ ] GAS WELL [ ] DRY [ ] OTHER Water Disposal

NEW WELL [X] WORK OVER [ ] DEEPEN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] OTHER

7. Unit Agreement Name:

8. Farm or Lease Name: Salty Bill

2. Name of Operator: Corinne Grace

9. Well No.: 1

3. Address of Operator: c/o Oil Reports & Gas Services, Inc., Box 763, Hobbs, New Mexico 88240

10. Field and Pool, or Wildcat:

4. Location of Well

UNIT LETTER C LOCATED 660 FEET FROM THE North LINE AND 1980 FEET FROM THE West LINE OF SEC. 36 TWP. 22 S RGE. 26 E NMPM

12. County: Eddy

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Cashinghead
2/12/71	5/24/71	3/15/72	Not available	

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
2208'			→	716-2208	0-716

24. Producing Interval(s), of this completion — Top, Bottom, Name: None - water disposal well

25. Was Directional Survey Made: No

26. Type Electric and Other Logs Run: Accoustilog

27. Was Well Cored: No

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

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8	48#	364	17 1/2	400	None
7 5/8	29.7#	1948	9	200	None

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 7/8	2124	1884

31. Perforation Record (Interval, size and number)

None - open hole

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
1948 - 2208	2000 gal 15% acid

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping — Size and type pump)	Well Status (Prod. or Shut-in)
		Water Disposal

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas — Oil Ratio

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)

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

Test Witnessed By

35. List of Attachments

36. 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.

SIGNED Corinne Hollis TITLE Agent DATE 4/10/72

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission 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 30 through 34 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				Northwestern New Mexico			
T. Anhy	230	T. Canyon		T. Ojo Alamo		T. Penn. "B"	
T. Salt		T. Strawn		T. Kirtland-Fruitland		T. Penn. "C"	
B. Salt		T. Atoka		T. Pictured Cliffs		T. Penn. "D"	
T. Yates		T. Miss		T. Cliff House		T. Leadville	
T. 7 Rivers		T. Devonian		T. Menefee		T. Madison	
T. Queen		T. Silurian		T. Point Lookout		T. Elbert	
T. Grayburg		T. Montoya		T. Mancos		T. McCracken	
T. San Andres		T. Simpson		T. Gallup		T. Ignacio Qtzte	
T. Glorieta		T. McKee		Base Greenhorn		T. Granite	
T. Paddock		T. Ellenburger		T. Dakota		T.	
T. Blinebry		T. Gr. Wash		T. Morrison		T.	
T. Tubb		T. Granite		T. Todilto		T.	
T. Drinkard		T. Delaware Sand		T. Entrada		T.	
T. Abo		T. Bone Springs		T. Wingate		T.	
T. Wolfcamp		T. Lamar	1835	T. Chinle		T.	
T. Penn.		T. Delaware	1985	T. Permian		T.	
T Cisco (Bough C)		T.		T. Penn. "A"		T.	

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	230	230	Surface Sand & Red Bed				
230	1835	1605	Anhydrite				
1835	1875	40	Lime, Sand, Anhydrite				
1875	1985	110	Anhydrite				
1985	2208	223	Lime & Sand				

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MAR 24 1972
O. C. C.
ARTESIA, OFFICE

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

5a. Indicate Type of Lease State [X] Fee [ ]

5. State Oil & Gas Lease No. K-6290

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL [ ] GAS WELL [ ] OTHER- **Water Disposal Well**

7. Unit Agreement Name

2. Name of Operator
Corinne Grace

8. Farm or Lease Name
Salty Bill

3. Address of Operator
c/o Oil Reports & Gas Services, Inc., Box 763, Hobbs, N. M. 88240

9. Well No.
1

4. Location of Well
UNIT LETTER **C** , **660** FEET FROM THE **North** LINE AND **1980** FEET FROM THE **West** LINE, SECTION **36** TOWNSHIP **22 S** RANGE **26 E** NMPM.

10. Field and Pool, or Wildcat

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

12. County
Eddy

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK [ ]	PLUG AND ABANDON [ ]	REMEDIAL WORK [ ]	ALTERING CASING [ ]
TEMPORARILY ABANDON [ ]		COMMENCE DRILLING OPNS. [ ]	PLUG AND ABANDONMENT [ ]
PULL OR ALTER CASING [ ]	CHANGE PLANS [ ]	CASING TEST AND CEMENT JOB [X]	
OTHER [ ]		OTHER **Convert to water disposal** [X]	

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

Moved in pulling unit 2/26/72. Cemented 7 5/8" 29.7# N-80 casing at 1948' with 200 sacks class "H" cement. Plug down 3:00 PM 3/1/72. WOC 36 hours, no fill up. Drilled plug with 6 3/4" bit and cleaned out to 2208'. Ran 2 7/8" plastic coated tubing to 2124' with Baker Model A packer set at 1884'. Treated with 2000 gallon 15% acid. Injection rate 8 bbls per minute at 1500#. Start water injection 3/15/72 at 900#.

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

SIGNED Donna Holder TITLE Agent DATE 3/22/72

APPROVED BY For Record Only TITLE [illegible] DATE MAR 30 1972

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O. C. C.
ARTESIA, OFFICE

NEW MEXICO OIL CONSERVATION COMMISSION

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

OIL WELL ☐ GAS WELL ☐ OTHER- Water disposal

Name of Operator: orinne Grace ✓

Address of: P.O. Box 1418, Carlsbad, New Mexico 88220

Location of Well: UNIT LETTER C, 660 FEET FROM THE North LINE AND 1980 FEET FROM THE West LINE, SECTION 36 TOWNSHIP 22S RANGE 26E NMPM.

5a. Indicate Type of Lease: State XX Fee ☐

5. State Oil & Gas Lease No.: K-6290

7. Unit Agreement Name:

8. Farm or Lease Name: Salty Bill

9. Well No.: 1

10. Field and Pool, or Wildcat:

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

12. County: Eddy

6.

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

E

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
ERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
EMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
ULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☐	
OTHER ☐		OTHER ☐	

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

6/12/78 Acidized this well with: 650 gal. 15% reg acid, 1/2 gal adama II and 350 gal kylene

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

Agent — DATE 6/22/78

VED BY Mike Williams — TITLE OIL AND GAS INSPECTOR — DATE JUL 11 1978

DITIONS OF APPROVAL, IF ANY:

NO. OF COPIES RECEIVED	3	
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SANTA FE	1	
FILE	1	✓
U.S.G.S.		
LAND OFFICE		
OPERATOR	1	

RECEIVED
NEW MEXICO OIL CONSERVATION COMMISSION
OCT 15 1979
O. C. C.
ARTESIA, OFFICE

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

5a. Indicate Type of Lease: State [X] Fee [ ]
5. State Oil & Gas Lease No.: K-6290

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL [ ] GAS WELL [ ] OTHER- Water Disposal

7. Unit Agreement Name

2. Name of Operator: Corinne Grace

8. Farm or Lease Name: Salty Bill

3. Address of Operator: P. O. Box 1418, Carlsbad, New Mexico 88220

9. Well No.: 1

4. Location of Well: UNIT LETTER C, 660 FEET FROM THE North LINE AND 1980 FEET FROM THE West LINE, SECTION 36, TOWNSHIP 22S, RANGE 26E, NMPM.

10. Field and Pool, or Wildcat

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

12. County: Eddy

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK	[X]	REMEDIAL WORK	[ ]
TEMPORARILY ABANDON	[ ]	COMMENCE DRILLING OPNS.	[ ]
PULL OR ALTER CASING	[ ]	CASING TEST AND CEMENT JOB	[ ]
CHANGE PLANS	[ ]	PLUG AND ABANDONMENT	[ ]
OTHER	[ ]	OTHER	[ ]

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

Plan to rig up pulling unit, pull packer and tubing. Dress packer if necessary and check out tubing. Will replace any jts. that are bad. This work will be done on Tuesday or Wednesday of next week (Oct. 16th or 17th) depending on availabilty of rig.

Will notify OCC before job is started.

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

SIGNED Juanita L. Jones TITLE Agent DATE 10/12/79

APPROVED BY Mike Williams TITLE ~~SUPERVISOR, DISTRICT II~~ OIL AND GAS INSPECTOR DATE OCT 22 1979

CONDITIONS OF APPROVAL, IF ANY:

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LAND OFFICE		
OPERATOR	1	

RECEIVED
NEW MEXICO OIL CONSERVATION COMMISSION
OCT 25 1979
O. C. C.
ARTESIA, OFFICE

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

5a. Indicate Type of Lease
State [X] Fee [ ]

5. State Oil & Gas Lease No.
K-6290

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL [ ] GAS WELL [ ] OTHER- Water Disposal

7. Unit Agreement Name

2. Name of Operator
Corinne Grace

8. Farm or Lease Name
Salty Bill

3. Address of Operator
P. O. Box 1418, Carlsbad, New Mexico 88220

9. Well No.
1

4. Location of Well
UNIT LETTER C , 660 FEET FROM THE North LINE AND 1980 FEET FROM THE West LINE, SECTION 36 TOWNSHIP 22S RANGE 26E NMPM.

10. Field and Pool, or Wildcat

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

12. County
Eddy

16.

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

NOTICE OF INTENTION TO:

- PERFORM REMEDIAL WORK [ ]
- TEMPORARILY ABANDON [ ]
- PULL OR ALTER CASING [ ]
- PLUG AND ABANDON [ ]
- CHANGE PLANS [ ]
- OTHER [ ]

SUBSEQUENT REPORT OF:

- REMEDIAL WORK [X]
- COMMENCE DRILLING OPNS. [ ]
- CASING TEST AND CEMENT JOB [ ]
- ALTERING CASING [ ]
- PLUG AND ABANDONMENT [ ]
- OTHER [ ]

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

10/15/79 Moved rig to location and rigged up.

10/16/79 unhung tubing, unset packer, pulled 80 joints 2 7/8" tubing - shut down rig. Baker lokset packer taken to Hobbs and redressed w/ 2 7/8 x 2.31 x 5½ model FU on off sealing connector w/2 7/8 EU 8rd BXD w/2.31 F profile nickel plating on FL & lokset part

10/17/79 Ran 4 jts 2 7/8" tubing and packer. Couldn't test tubing. Ran 72 jts 2 7/8" on packer. Pumped packer fluid, set packer, hung tubing and tested casing to 500# on back side - held o.k.- injected 10 bbls. water @ 500 psi @ 3 BPM. Test o.k. witnessed by state representative. Job complete 3p.m.

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

SIGNED Jeanita L. Bowers TITLE Agent DATE 10/23/79

APPROVED BY Mike Williams TITLE OIL AND GAS INSPECTOR DATE OCT 29 1979

CONDITIONS OF APPROVAL, IF ANY:

SANTA FE
FILE
U.S.G.S.
LAND OFFICE
OPERATOR

NEW MEXICO OIL CONSERVATION COMMISSION

RECEIVED
AUG 11 1982
O. C. D.
ARTESIA, OFFICE

State x Fee
5. State Oil & Gas Lease No.
E-6290

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

1. OIL WELL ☐ GAS WELL ☐ OTHER- Water Disposal

7. Unit Agreement Name
Salty Bill

2. Name of Operator
Corinne Grace

8. Farm or Lease Name
1

3. Address of Operator
P.O. Box 1118, Carlsbad, New Mexico 88220

9. Well No.

4. Location of Well
UNIT LETTER C, 660 FEET FROM THE North LINE AND 1980 FEET FROM THE West LINE, SECTION 36 TOWNSHIP 2 S RANGE 26E NMPM

10. Field and Pool, or Wildcat

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

12. County
Eddy

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK	X	REMEDIAL WORK	☐
TEMPORARILY ABANDON	☐	COMMENCE DRILLING OPNS.	☐
PULL OR ALTER CASING	☐	CASING TEST AND CEMENT JOB	☐
CHANGE PLANS	☐	PLUG AND ABANDONMENT	☐
OTHER	☐	OTHER	☐

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

Plan to rig up pulling unit; pull packer and tubing. Dress packer. Will replace all tubing. This work will be done Monday or Tuesday of next week (Aug. 16th or 17th) depending on availabilty of rig.

Will notify OCC before job is started. *

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

SIGNED John T. Brown TITLE Field Foreman DATE 8-10-82

APPROVED BY Leslie A. Clements TITLE SUPERVISOR, DISTRICT II DATE AUG 20 1982

CONDITIONS OF APPROVAL, IF ANY:

* Notify OCC ...

NO. OF COPIES RECEIVED		
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FILE	1	✓
U.S.G.S.		
LAND OFFICE		
OPERATOR	X	

NEW MEXICO OIL CONSERVATION COMMISSION

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

5a. Indicate Type of Lease
State [X] Fee [ ]

5. State Oil & Gas Lease No.
K-6290

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED
SEP 27 1982
O. C. D.
ARTESIA, OFFICE

1. OIL WELL [ ] GAS WELL [ ] OTHER- Water Disposal

7. Unit Agreement Name
Salty Bill#1

2. Name of Operator
Corinne Grace

8. Farm or Lease Name
1

3. Address of Operator
P.O. Box 1418, Carlsbad, New Mexico 88220

9. Well No.

4. Location of Well
UNIT LETTER C , 660 FEET FROM THE North LINE AND 1980 FEET FROM THE West LINE, SECTION 36 TOWNSHIP 22S RANGE 26E NMPM.

10. Field and Pool, or Wildcat

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

12. County
Eddy

16. 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 [X]	ALTERING CASING [ ]
TEMPORARILY ABANDON [ ]		COMMENCE DRILLING OPNS. [ ]	PLUG AND ABANDONMENT [ ]
PULL OR ALTER CASING [ ]	CHANGE PLANS [ ]	CASING TEST AND CEMENT JOB [ ]	
OTHER [ ]		OTHER [ ]	

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

8-16-82 Moved rig to location & riged up.

8-17-82 Pulled 62 jots. of tubing Packer & 4 tail jots. out.

8-18-82 Ran 59 jts. of new plastic lined tubing tested to 7,000 PSI back in hole & 6 jts. of used tubing for tail pipe. Baker A-3 lock-set 47-C4 Packer with 5½x2 7/8x2.31 FL on & off tool W 2 7/8 E U 8 R D B D nickel plated. Displaced annulas with 75 BBL. of 2% KCL water treated with 1 drum tretolite Kontol Corrosion inhibits plus 10 lb. Oxygen Seavenger tested to 1250 PSI, OK Witnessed by State Rep. job complete 2:00 p.m.

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

SIGNED Gary Johnson TITLE Field Supervisor DATE 9-24-82

APPROVED BY Mike Williams TITLE OIL AND GAS INSPECTOR DATE SEP 27 1982

CONDITIONS OF APPROVAL, IF ANY:

Submit 3 Copies to Appropriate District Office

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

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

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

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-103
Revised 1-1-89

c/sf Dp

WELL API NO.

5. Indicate Type of Lease STATE [X] FEE [ ]

6. State Oil & Gas Lease No. K-6290

SUNDRY NOTICES AND REPORTS ON WELLS

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

7. Lease Name or Unit Agreement Name: Salty Bill

1. Type of Well: OIL WELL [ ] GAS WELL [ ] OTHER Water Disposal

2. Name of Operator: Corinne Grace ✓

8. Well No. 1

3. Address of Operator: P.O. Box 1418, Carlsbad, New Mexico 88220

9. Pool name or Wildcat

4. Well Location
Unit Letter C : 660 Feet From The North Line and 1980 Feet From The West Line
Section 36 Township 22S Range 26E NMPM Eddy 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 [X]	ALTERING CASING [ ]
TEMPORARILY ABANDON [ ]	CHANGE PLANS [ ]	COMMENCE DRILLING OPNS. [ ]	PLUG AND ABANDONMENT [ ]
PULL OR ALTER CASING [ ]		CASING TEST AND CEMENT JOB [ ]	
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.

July 10, 1990 through July 16, 1990

Pull tubing, wash-over packer and clean out hole with reverse unit. Ran Baker A3 lock-set packer and 56 joints 2 7/8" 6.50# plastic lined tubing. Circulate packer fluid and set packer @ 1736' with 4000# compression. Test packer @ 500#. (witnessed by OCD Rep.)

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

SIGNATURE Joe Huber TITLE Agent DATE 8/15/90

TYPE OR PRINT NAME TELEPHONE NO.

(This space for State Use) ORIGINAL SIGNED BY MIKE WILLIAMS SUPERVISOR, DISTRICT II

APPROVED BY TITLE DATE AUG 21 1990

CONDITIONS OF APPROVAL, IF ANY:

Submit 3 Copies to Appropriate District Office

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

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

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

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-103
Revised 1-1-89

WELL API NO. 30-15-10908

5. Indicate Type of Lease STATE [X] FEE [ ]

6. State Oil & Gas Lease No. K-6290

SUNDRY NOTICES AND REPORTS ON WELLS

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

7. Lease Name or Unit Agreement Name: Salty Bill

1. Type of Well: OIL WELL [ ] GAS WELL [ ] OTHER Water Disposal

2. Name of Operator: Corinne B. Grace

8. Well No. 1

3. Address of Operator: P O Box 1418 Carlsbad, NM 88220

9. Pool name or Wildcat

4. Well Location
Unit Letter C : 660 Feet From The North Line and 1980 Feet From The West Line
Section 36 Township 22S Range 26E NMPM Eddy 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	[X]	ALTERING CASING	[ ]
TEMPORARILY ABANDON	[ ]	CHANGE PLANS	[ ]	COMMENCE DRILLING OPNS.	[ ]	PLUG AND ABANDONMENT	[ ]
PULL OR ALTER CASING	[ ]			CASING TEST AND CEMENT JOB	[ ]		
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.

7/27/95 Rigged up. Pulled tubing. Found parted tubing

7/28/95 Fished tubing and circulated hole clean.

7/29/95 Set packer at 1737'. rigged down

7/31/95 Rigged up Halliburton and acdized well with 3000 gallons 15% HCL + 1 gal/1000 LoSurf 300 + 1 gal/1000 HAI 81 + 3 gal/1000 Pen-88. Rigged down. Return to injection.

RECEIVED
SEP 21 1995
OIL CON. DIV.
DIST. 2

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

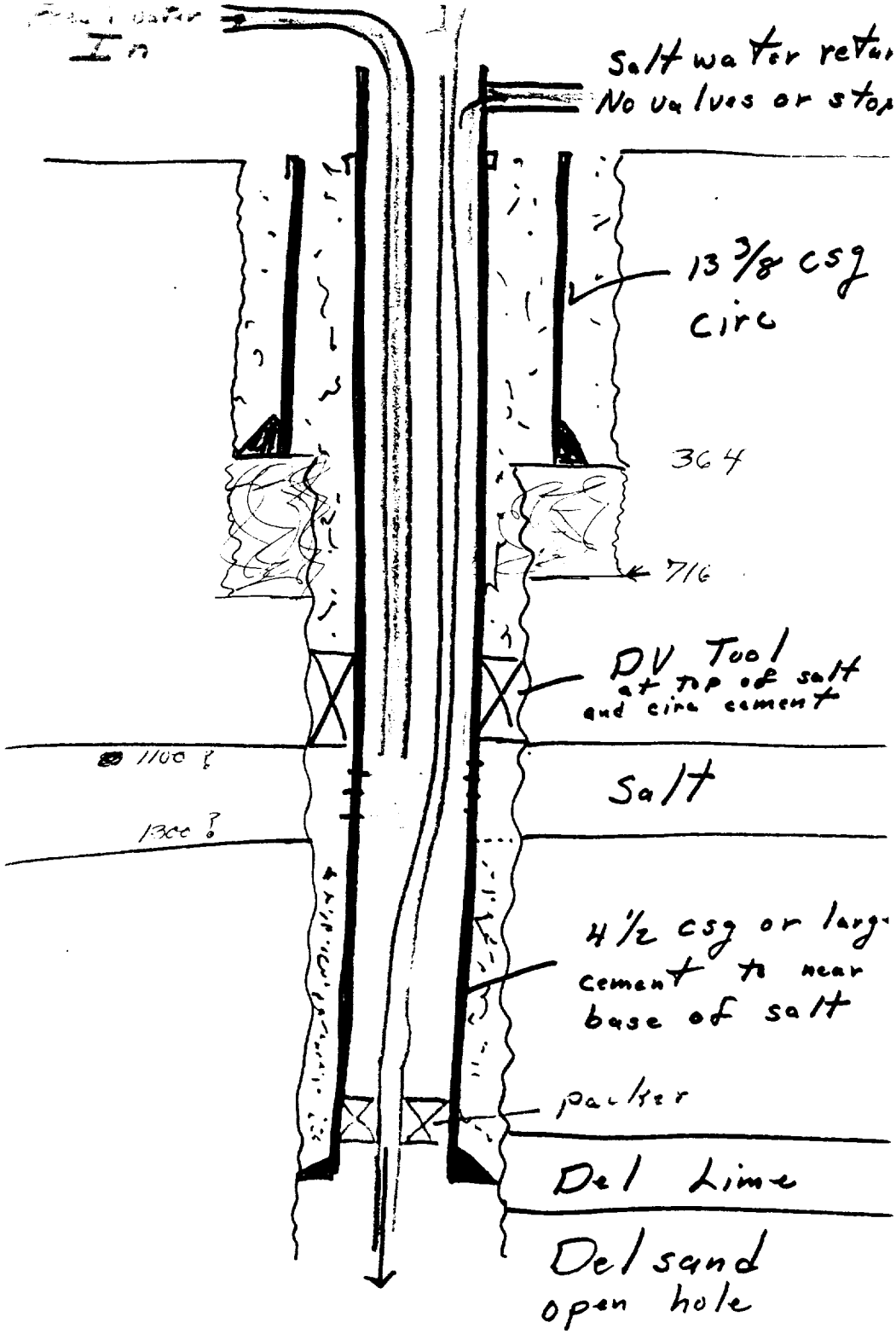
SIGNATURE Corinne B. Grace TITLE Owner DATE 9/20/95

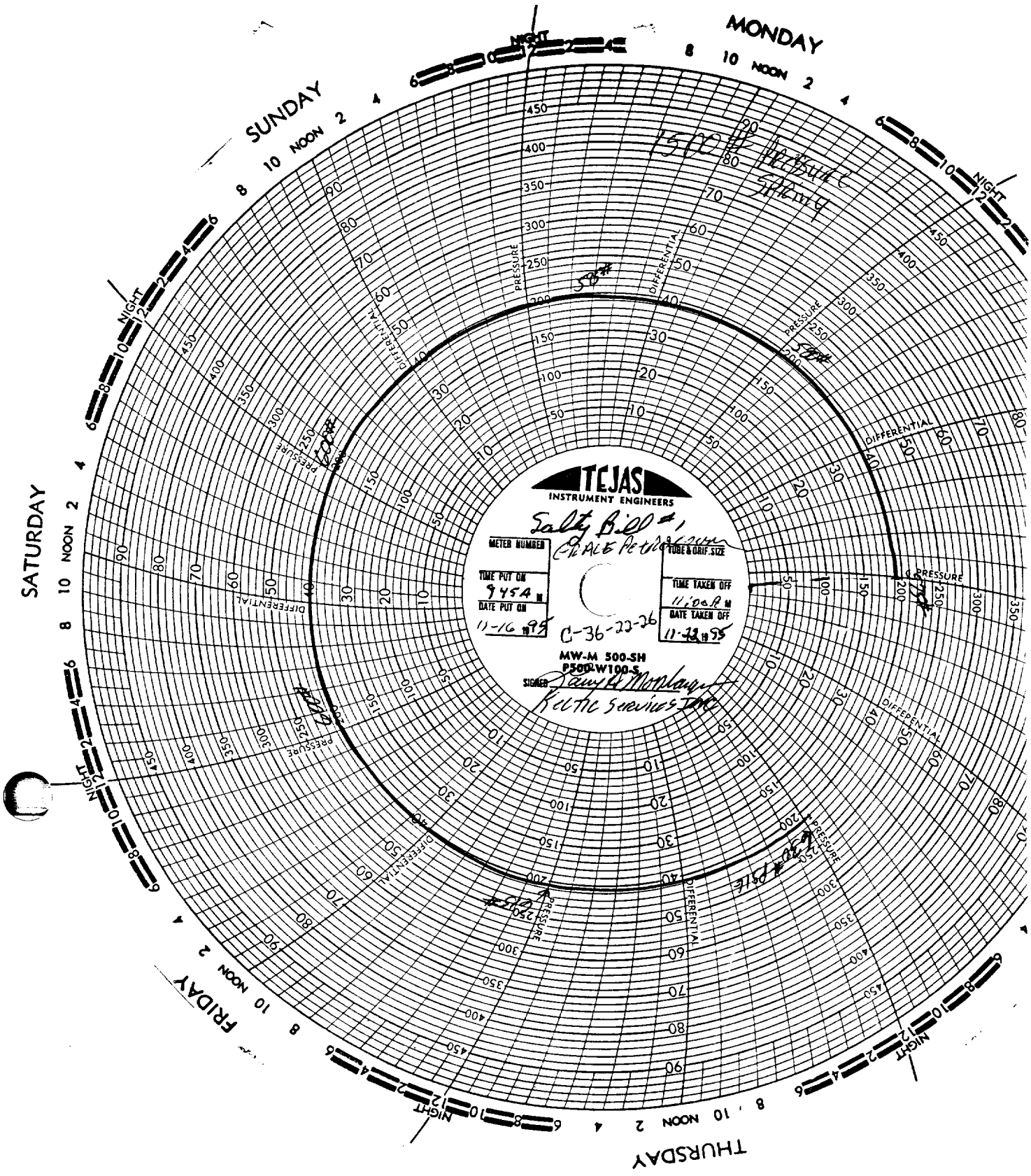
TYPE OR PRINT NAME Corinne B. Grace TELEPHONE NO. (505) 887-5581

(This space for State Use)

APPROVED BY ORIGINAL SIGNED BY TIM W. GUM DISTRICT II SUPERVISOR TITLE DATE SEP 25 1995

CONDITIONS OF APPROVAL, IF ANY:


In
Salt water ret
No valves or sto
13 3/8 csg
circ
364
716
DV Tool
at top of salt
and circ cement
1100 ?
1300 ?
Salt
4 1/2 csg or larg
cement to near
base of salt
packer
Del Lime
Del sand
open hole


MONDAY
TUESDAY
WEDNESDAY
THURSDAY
FRIDAY
SATURDAY
SUNDAY
NIGHT
NOON
PRESSURE
DIFFERENTIAL
TEJAS
INSTRUMENT ENGINEERS
Salty Bill #1
METER NUMBER
TUBE & ORIF. SIZE
TIME PUT ON
9454 M
TIME TAKEN OFF
11:00A M
DATE PUT ON
11-16 1995
DATE TAKEN OFF
11-22 1995
C-36-22-26
MW-M 500-SH
P500-W100-S
SIGNED
Electric Services Inc

NEW MEXICO OIL CONSERVATION COMMISSION
FIELD TRIP REPORT

Name Ken Livingston Date 7-28-95 Miles 197 District II

Time of Departure 8:00 Time of Return 4:00 Car No. 0471(
243 9441

In the space below indicate the purpose of the trip and the duties performed, listing wells or leases visited and any action taken.

FACILITY	QUARTER HOURS	
D		O-16-21-26 Devon, Cactus #9 AFT rig #3 Drilling @ 1322, 9:00, 23 FPH 33hr TD 6:00 PM SAT 7-29-95
I	✓	23-31 Yates, Ross AIT Fed #, SWD- #
P	✓	G-26-23-31 Devon Todd 26 Fed #2 600# SWD
		H 35 22-31 Yates · David Ross "AIT" Fed #1 900# pumpon 3838 BPD
I		C-36-22-26 Corinne Grace Salty Bill #1 SWD RIH W Bit cleanout to Bottom POH Laydown Bit RIH with packer test packer, m.t.

Mileage		Per Diem		Hours	
UIC	97	UIC		UIC	4
RFA		RFA		RFA	
Other	100	Other		Other	4

SPECTION MED
ekeeping
ging
ging Cleanup
Test
ir/Workover
rflow
ap or Spill
r Contamination

INSPECTION CLASSIFICATION

U = Underground Injection Control - Any inspection of or related to injection project, facility, or well or resulting from injection into any well. (SWD, Indry injection and production wells, water flows or pressure tests, surface injection equipment, plugging, etc.)
R = Inspections relating to Reclamation Fund Activity
O = Other - Inspections not related to

NATURE OF SPECIFIC WELL OR FACILITY INSPECTED

D = Drilling
P = Production
I = Injection
C = Combined prod. inj. operations
S = SWD
U = Underground Storage

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

November 21, 1997



CERTIFIED MAIL
RETURN RECEIPT NO. P.326-936-368

Ms. Corinne B. Grace
P.O. Box 1418
3722 National Parks Hwy.
Carlsbad, N.M. 88220

Re: Salty Bills Water Disposal Facility
NE/4, NW/4 of Section 36, Township 22 South, Range 26 East, NMPM
Eddy County, New Mexico

Ms. Grace:

The New Mexico Oil Conservation Division (OCD) received a phone call from Mr. Gene Lee, environmental contractor for Salty Bill Water Disposal, on November 21, 1997 requesting additional time to submit the required closure plan. The OCD hearby grants an extension for the closure plan submittal from the previous extension of November 21, 1997 to November 25, 1997.

If you have any questions please do not hesitate to contact me at (505) 827-7153.

Sincerely,

Martyne J. Kieling
Environmental Geologist

Attachments
xc: Artesia OCD Office
Hobbs OCD Office
Mr. Ernest L. Padilla, Padilla Law Firm, PA, 1512 St. Francis Drive, Santa Fe, NM 87501

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

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

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] Operator name and Address	[2] OGRID Number
Corinne B. Grace P O Box 1418 Carlsbad, NM 88220	5268
	[3] Reason for Filing Code Approximate 162 bbls Accumulated oil from SWD

[4] API Number	[5] Pool Name	[6] Pool Code
30 - 015-10908	SWD; Delaware	96100

[7] Property Code	[8] Property Name	[9] Well Number
4726	Salty Bill	1

II. [10] Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
C	36	22S	26E		660	North	1980	West	Eddy

[11] Bottom Hole Location

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

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] POD	[21] O/G	[22] POD ULSTR Location and Description
15694	Navajo Refining Co. P O Box 159 Artesia, NM 88211-0159		O	

NOV 1997
RECEIVED
OCD - ARTESIA

IV. Produced Water

[23] POD	[24] POD ULSTR Location and Description

V. Well Completion Data

[25] Spud Date	[26] Ready Date	[27] TD	[28] PBTD	[29] Perforations

[30] Hole Size	[31] Casing & Tubing Size	[32] Depth Set	[33] Sacks Cement

VI. Well Test Data

[34] Date New Oil	[35] Gas Delivery Date	[36] Test Date	[37] Test Length	[38] Tbg. Pressure	[39] Csg. Pressure

[40] Choke Size	[41] Oil	[42] Water	[43] Gas	[44] AOF	[45] Test Method

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

Signature: Mitchell Morris

Printed name: Mitchell Morris

Title: Accountant

Date: 11/20/97 Phone: (505) 887-5581

OIL CONSERVATION DIVISION

Approved by: ORIGINAL SIGNED BY TIM W. GUM
DISTRICT II SUPERVISOR

Title:

Approval Date: 12-9-97

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

Previous Operator Signature	Printed Name	Title	Date

Item #8 refers to samples taken and analyzed by Cardinal Laboratories. These samples were taken using standard QA/QC methods with uncontaminated, glass containers, clean gloves and gathering utensils. The samples were then placed in the sealed containers and hand delivered to Cardinal Laboratories. Salty Bill plans to split samples and their results with the OCD but would also like to be present on any samples the OCD or Environmental Dept takes and have them split as well. As of this date, representatives of Salty Bill SWD were present when samples were taken referred to in Item #8 which show BTEX. These samples were taken from the tanks in which the trucks unload. As any geologist and lab technician dealing with the oil industry knows, BTEX would be present as it is in any oil operation; however, if the OCD and Environmental Dept had taken samples further down the line of tanks and at the tank the water injection pumps pull from, it would have noticed that no unacceptable levels of BTEX, TPH, or VOC were present.

At the present time, several steps have been taken toward cleaning up the SWD facility and improving the general housekeeping around the area. Steps which have been taken or changes made are as follows:

1. The facility has been under supervision 24 hrs per day as requested. This will prevent over filling tanks, leaks, etc.
2. The fiberglass tanks have been dismantled and removed along with all associated piping.
3. The heater treater separator which was never used was totally removed from the facility.
4. The roads have been improved and cleaned up to prevent puddling of fluids from heavy rains.
5. The sump by the pumps has been emptied and is no longer is use.
6. The pit was emptied and will not be used.
7. New valves installed and/or repaired to prevent leakage at load lines.

Salty Bill SWD is prepared to start remediation and pit closure of the sump and pit as soon as the concerns addressed above have come to an amicable solution for both parties concerned.

Sincerely,

H. E. Gene LEE

cc: NMOCD-Artesia

LEE CONSULTING, INC.

P.O. Box 8280
Roswell, NM 88202
505-622-7355
505-624-2911 Fax
505-626-4292 Cellular

December 15, 1997



Martyne J. Kieling
New Mexico Oil Conservation Division
Environmental Bureau
2040 S. Pacheco St.
Santa Fe, NM 87505

RE: Mrs. Corinne B. Grace
Salty Bill SWD Facility

Dear Ms. Kieling,

I am in receipt of your letter dated Dec. 12, 1997 giving approval of the pit closure and soil remediation plan. You approved the plan I submitted with some conditions, of which I have some concern.

In item #1, you reference close proximity of populations and a school training center. The school training center is operated for the training of personnel to dangers more contaminating than the Salty Bill SWD facility, ie, radioactive materials. We cannot agree to conditions which are more restrictive than is allowed by the OCD and ED in other areas. The City of Carlsbad had zoned the area around Salty Bill SWD as industrial when the surface area and permit was issued to Mrs. Grace. The requirements placed on Mrs. Grace should not be allowed to be more restrictive, especially retroactive, as the industrial park area is developed.

Item #5 also causes problems again due to the apparent more stringent levels being applied to Salty Bill SWD because of proximity of populations, and possible future use of the surface. Salty Bill SWD was approved by the City of Carlsbad prior to the lands being annexed into the city limits and prior to becoming an industrial park. Mrs. Grace is prepared to stay within the normal required compliance levels of VOC, BTEX & TPH published to all persons operating an authorized commercial oil field produced water disposal facility in the State of New Mexico but does not agree to any more stringent regulations than the published standards applicable to disposal facilities. Salty Bill SWD does plan to fully stay within compliance levels published by the OCD and ED.

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

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

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] Operator name and Address	[2] OGRID Number
Corinne B. Grace P O Box 1418 Carlsbad, NM 88221-1418	5268
	[3] Reason for Filing Code Approximate 165 bbls Accumulated oil from SWD

[4] API Number	[5] Pool Name	[6] Pool Code
30 - 015-10908	SWD; Delaware	96100
[7] Property Code	**[8] Property Name**	**[9] Well Number**
4726	Salty Bill	1

II. [10] Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
C	36	22S	26E		660	North	1980	West	Eddy

[11] Bottom Hole Location

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

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] POD	[21] O/G	[22] POD ULSTR Location and Description
15694	Navajo Refining Co. P O Box 159 Artesia, NM 88211-0159			

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IV. Produced Water

[23] POD	[24] POD ULSTR Location and Description

V. Well Completion Data

[25] Spud Date	[26] Ready Date	[27] TD	[28] PBTD	[29] Perforations

[30] Hole Size	[31] Casing & Tubing Size	[32] Depth Set	[33] Sacks Cement

VI. Well Test Data

[34] Date New Oil	[35] Gas Delivery Date	[36] Test Date	[37] Test Length	[38] Tbg. Pressure	[39] Csg. Pressure

[40] Choke Size	[41] Oil	[42] Water	[43] Gas	[44] AOF	[45] Test Method

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

Signature: Mitchell Morris

Printed name: Mitchell Morris

Title: Accountant

Date: 12/15/97 Phone: (505) 887-5581

OIL CONSERVATION DIVISION

Approved by: ORIGINAL SIGNED BY TIM W. GUM
DISTRICT II SUPERVISOR

Title:

Approval Date: FEB 17 1998

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

Previous Operator Signature	Printed Name	Title	Date

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

C/SF LT
DP

Form C-104
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[1] Operator name and Address	[2] OGRID Number
Corinne B. Grace P O Box 1418 Carlsbad, NM 88221-1418	5268
	[3] Reason for Filing Code Approximate 171 bbls Accumulated oil from SWD

[4] API Number	[5] Pool Name	[6] Pool Code
30 - 0 15-10908	SWD; Delaware	96100
[7] Property Code	[8] Property Name	[9] Well Number
4726	Salty Bill	1

II. [10] Surface Location

UL or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
C	36	22S	26E		660	North	1980	West	Eddy

[11] Bottom Hole Location

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

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date

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15694	Navajo Refining Co. P O Box 159 Artesia, NM 88211-0159			

1998 FEB
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OCD - ARTESIA

V. Produced Water

[23] POD	[24] POD ULSTR Location and Description

V. Well Completion Data

[25] Spud Date	[26] Ready Date	[27] TD	[28] PBTD	[29] Perforations

[30] Hole Size	[31] Casing & Tubing Size	[32] Depth Set	[33] Sacks Cement

VI. Well Test Data

[34] Date New Oil	[35] Gas Delivery Date	[36] Test Date	[37] Test Length	[38] Tbg. Pressure	[39] Csg. Pressure

[40] Choke Size	[41] Oil	[42] Water	[43] Gas	[44] AOF	[45] Test Method

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

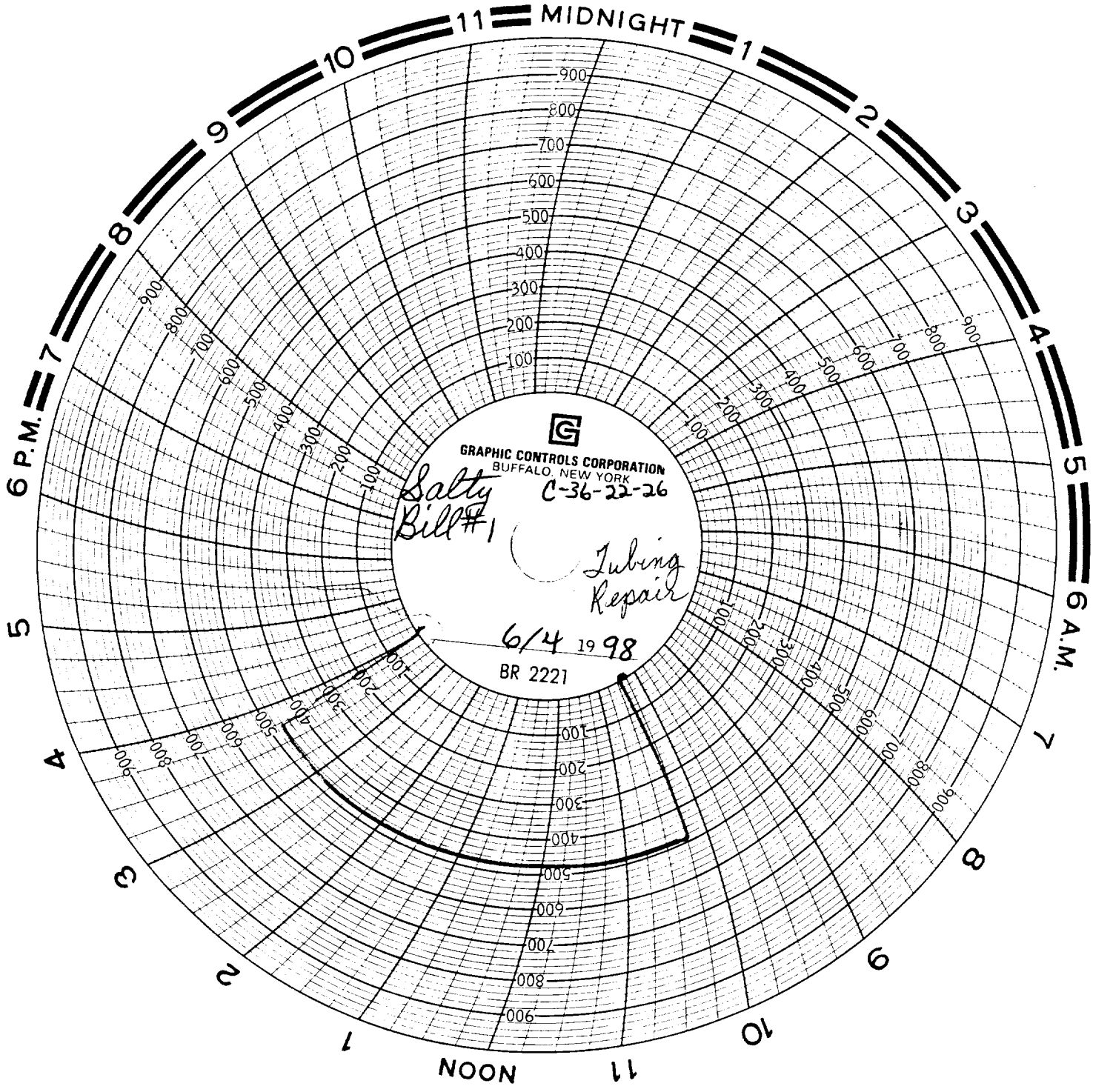
Signature: Mitchell Morris
Printed name: Mitchell Morris
Title: Accountant
Date: 01/26/98 Phone: (505) 887-5581

OIL CONSERVATION DIVISION

Approved by: ORIGINAL SIGNED BY TIM W. GUM
Title: DISTRICT II SUPERVISOR
Approval Date: 2-23-98

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

Previous Operator Signature	Printed Name	Title	Date


MIDNIGHT
NOON
6 P.M.
6 A.M.
GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK
C-36-22-26
Salty
Bill #1
Tubing
Repair
6/4 1998
BR 2221

Corinne B. Grace
POST OFFICE BOX 1418
CARLSBAD, NEW MEXICO 88220
(505) 887-5581

June 19, 1998

Gary Williams
Oil Conservation Divsion
811 South First
Artesia, NM 88210

Re: Salty Bill

Dear Mr. Williams:

Enclosed find the chart for the above captioned Bradenhead test. If you have any questions, please call me at (505) 887-5581.

Very truly yours,

Mitchell Morris

MM/sm
Enclosure

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
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PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
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Corinne B. Grace P O Box 1418 Carlsbad, NM 88221-1418	5268
	[3] Reason for Filing Code Approximate 165 bbls Accumulated oil from SWD

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15694	Navajo Refining Co. P O Box 159 Artesia, NM 88211-0159			

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OCD - ARTESIA

IV. Produced Water

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[40] Choke Size	[41] Oil	[42] Water	[43] Gas	[44] AOF	[45] Test Method

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

Signature: Mitchell Morris

Printed name: Mitchell Morris

Title: Accountant

Date: 03/29/98 Phone: (505) 887-5581

OIL CONSERVATION DIVISION

Approved by: Richard Ory

Title:

Approval Date:

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

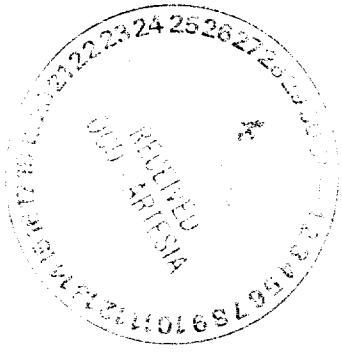
Previous Operator Signature	Printed Name	Title	Date

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

November 19, 1999

CERTIFIED MAIL
RETURN RECEIPT NO. P.326-936-660



Ms. Corinne B. Grace
P.O. Box 1418
3722 National Parks Hwy.
Carlsbad, N.M. 88220

Re: NOTICE OF VIOLATION
Corinne B. Grace
Salty Bill Water Disposal Facility
NE/4, NW/4 of Section 36, Township 22 South, Range 26 East, NMPM
Eddy County, New Mexico

Dear Ms. Grace:

The New Mexico Oil Conservation Division (OCD) inspected the Salty Bill Water Disposal Facility operated by Corinne B. Grace on August 25, 1999 and on October 18,1999. On August 25, 1999 the inspectors found:

1. An unlined below-grade pit receiving waste oil and produced water from a leaking pump (pictures 1 & 2); and
2. Overflows at the truck unloading point that had left salt encrusted puddles (picture 3).

On October 18, 1999 the inspectors found:

1. An unlined below-grade pit receiving waste from a leaking pump (picture 4);
2. The suction tank had overflowed (picture 5);
3. Produce water tanks 1- 6 had overflowed (pictures 6 & 7);
4. A leaking valve at the truck unloading point that was leaking a steady stream (picture 8);
5. An overflowing sump (picture 8);
6. Salt encrusted puddles around the unloading areas fed by the leaking valve and overflowing sump (picture 8); and
7. The containment berm surrounding the tanks is not large enough to hold 1 1/3 the volume of all interconnected tanks (pictures 6 &7).

The OCD has reviewed the cleanup and investigation data submitted by Corinne B. Grace on June 16, 1998, June 29 1998 and August 13, 1999. The sample analysis data shows that additional site

assessment is needed at the Salty Bill Water Disposal Facility (see enclosed table). Corinne B. Grace shall submit a site assessment plan for the following investigation and remedial actions **by January 5, 2000**.

1. **Below-grade sump (pictures 1 & 4):** Analytical results at 4 feet below ground surface (bgs) from the May 14, 1998 sampling event show levels of total petroleum hydrocarbons (TPH) that are above the closure standard (100 ppm) set for this facility. Results for arsenic, barium, lead, and chloride are above Water Quality Control Commission (WQCC) standards for ground water. Additional produced water and oil have entered the unlined below-grade hole.

   A. Corinne B. Grace shall remove contaminated soils exceeding 100 ppm TPH, 50 ppm benzene, toluene, ethylbenzene, and xylene (BTEX), and 10 ppm benzene from the unlined below-grade sump. The vertical and horizontal extent of contamination shall be investigated for TPH, BTEX, benzene, arsenic, barium, lead and chloride. To determine vertical extent Corinne B. Grace shall collect samples for analysis from the center of the sump at five foot intervals. Corinne B. Grace shall determine if ground water beneath the sump has been impacted. Chloride shall be sampled until two consecutive five foot interval samples contain less than 250 ppm or until ground water is reached. If ground water is reached the Santa Fe OCD office shall be notified immediately.

   B. Corinne B. Grace shall install a double lined containment that is capable of holding an all leaks, spills, and precipitation runoff from the pump pad. In addition, Salty Bill Water Disposal Facility shall be permitted under Rule 711 (as amended 1-1-96).

2. **Excavated Former Overflow Pit (picture 9):** Analytical results at 6 feet bgs from the May 7, 1998 sampling event show levels of TPH that are above the closure standard (100 ppm) set for this facility. Results for barium and chloride are above WQCC standards for ground water.

   A. Corinne B. Grace shall remove contaminated soils exceeding 100 ppm TPH, 50 ppm BTEX, and 10 ppm benzene from the former overflow pit. The vertical and horizontal extent of contamination shall be investigated for TPH, BTEX, benzene, and chloride. To determine vertical extent Corinne B. Grace shall collect samples for analysis from the center of the pit at five foot intervals. Corinne B. Grace shall determine if ground water beneath the pit has been impacted. Chloride shall be sampled until two consecutive five foot interval samples contain less than 250 ppm or until ground water is reached. If ground water is reached the Santa Fe OCD office shall be notified

immediately.

3. **Produced Water and Skim Oil Tank Area (picture 6 &7):** Analytical results at 12 and 18 inches bgs from the May 14,1998 and May 7,1998 sampling events show levels of TPH and BTEX that are above the closure standard (100 ppm and 50 ppm) set for this facility. Results for arsenic, barium and chloride are above WQCC standards for ground water. Tanks have been overtopped and spills have not been reported or cleaned up pursuant to Rule 116.

   A. Corinne B. Grace shall remove contaminated soils exceeding 100 ppm TPH, 50 ppm BTEX, and 10 ppm benzene from the produced water and skim oil tank area. The vertical and horizontal extent of contamination shall be investigated for TPH, BTEX, benzene, arsenic, barium and chloride. To determine vertical extent Corinne B. Grace shall collect samples for analysis from 8 separate locations around the tanks at five foot intervals. Corinne B. Grace shall determine if ground water beneath the tanks has been impacted. Chloride shall be sampled until two consecutive five foot interval samples contain less than 250 ppm or until ground water is reached. If ground water is reached the Santa Fe OCD office shall be notified immediately.

   B. Corinne B. Grace shall increase the containment area for the tanks so that it will hold 1 1/3 the volume of the largest tank or all interconnected tanks.

   C. Corinne B. Grace shall modify the produce water tank system and/or monitor the volumes of water off-loaded to prevent overtopping of the system tanks.

4. **Valve Sump Off-loading Area (picture 8) :** Analytical results at 18 inches bgs from the May 14,1998 sampling event show levels of TPH and BTEX that are above the closure standard (100 ppm and 50 ppm) set for this facility. Results for arsenic, barium, lead and chloride are above WQCC standards for ground water.

   A. Corinne B. Grace shall remove contaminated soils exceeding 100 ppm TPH, 50 ppm BTEX, and 10 ppm benzene from the valve sump off-loading area. The vertical and horizontal extent of contamination shall be investigated for TPH, BTEX, benzene, arsenic, barium, lead and chloride. To determine vertical extent Corinne B. Grace shall collect samples for analysis from 1 location on the west side of the sump at five foot intervals. Chloride shall be sampled until two consecutive five foot interval samples contain less than 250 ppm or until ground water is reached. If ground water is reached the Santa Fe OCD office shall be notified immediately.

   B. Corinne B. Grace shall repair or replace the valve to prevent any future leaks.

C. Corinne B. Grace shall routinely pump out the sump to prevent overflow.

D. Corinne B. Grace shall routinely inspect and maintain the facility equipment to prevent future leaks and spills .

5. **Suction Tank (picture 5):** Tank has been overtopped and spill has not been reported or cleaned up pursuant to Rule 116.

A. Corinne B. Grace shall modify the produce water tank system and/or monitor the volumes of water off-loaded to prevent overtopping of the system tanks.

The soil and ground water samples will be sampled and analyzed using EPA-approved methods. Corinne B. Grace shall dispose of all wastes at an OCD-approved waste disposal facility.

The OCD requires that the site assessment plan be submitted to the OCD Santa Fe office (with a copy to the Artesia District office) by **January 5, 2000.** The site assessment shall contain plans detailing how the soils investigation, groundwater investigation, sampling and analysis of soils and groundwater, final closure backfilling and contouring of the facility, installation of preventative measures, and submittal of a final closure report will be performed. The site assessment plan will be reviewed by the OCD for completeness prior to the commencement of work.

Failure to submit the requested information by January 5, 2000 will result in the issuance of a compliance order which may include civil penalties pursuant to 70-2-31 NMSA 1978 as amended.

If you have any questions, please contact Martyne Kieling at (505) 827-7153.

Sincerely,

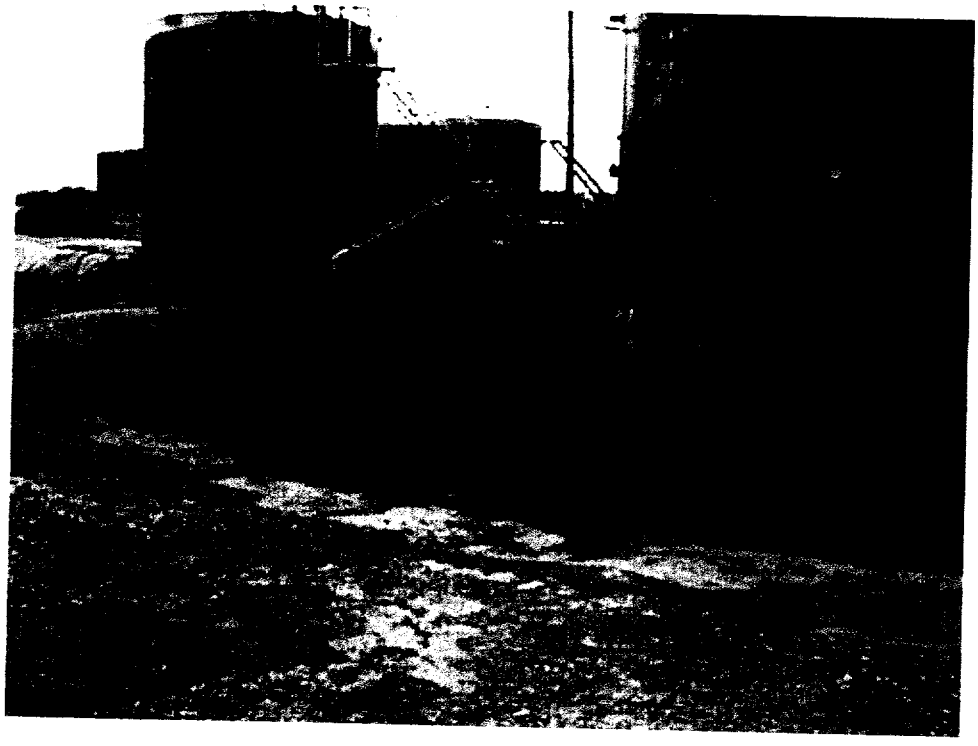
Roger C. Anderson
Environmental Bureau Chief

RCA/mjk

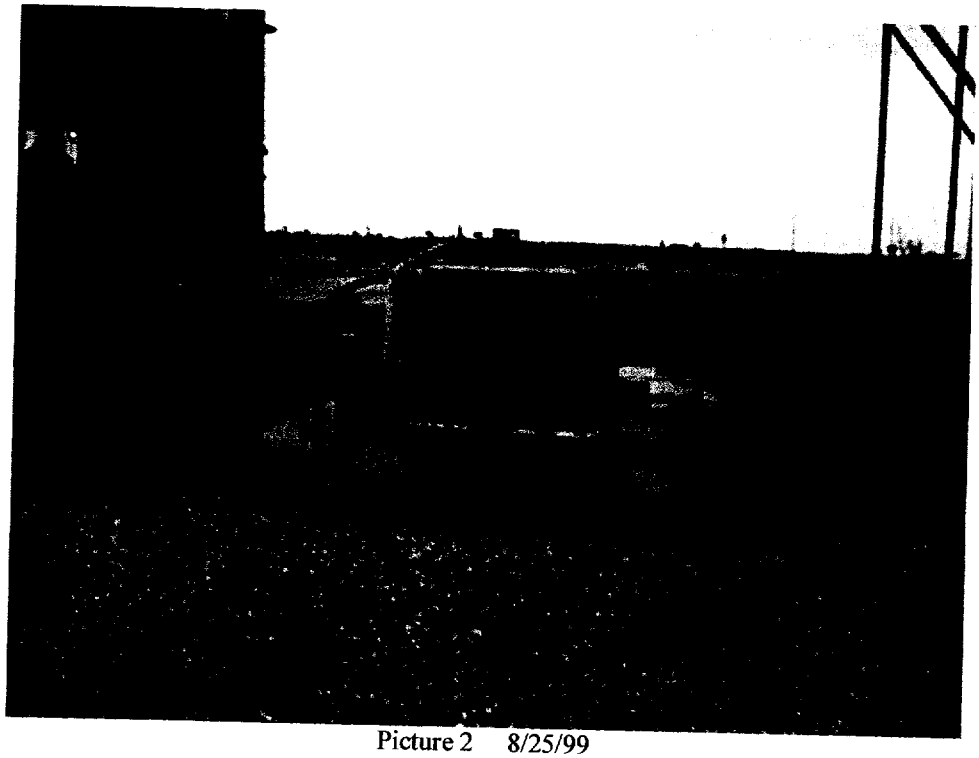
attached inspection pictures and data tables.

xc with attachments:
Artesia OCD Office

Salty Bill Water Disposal Facility



Picture 1 8/25/99

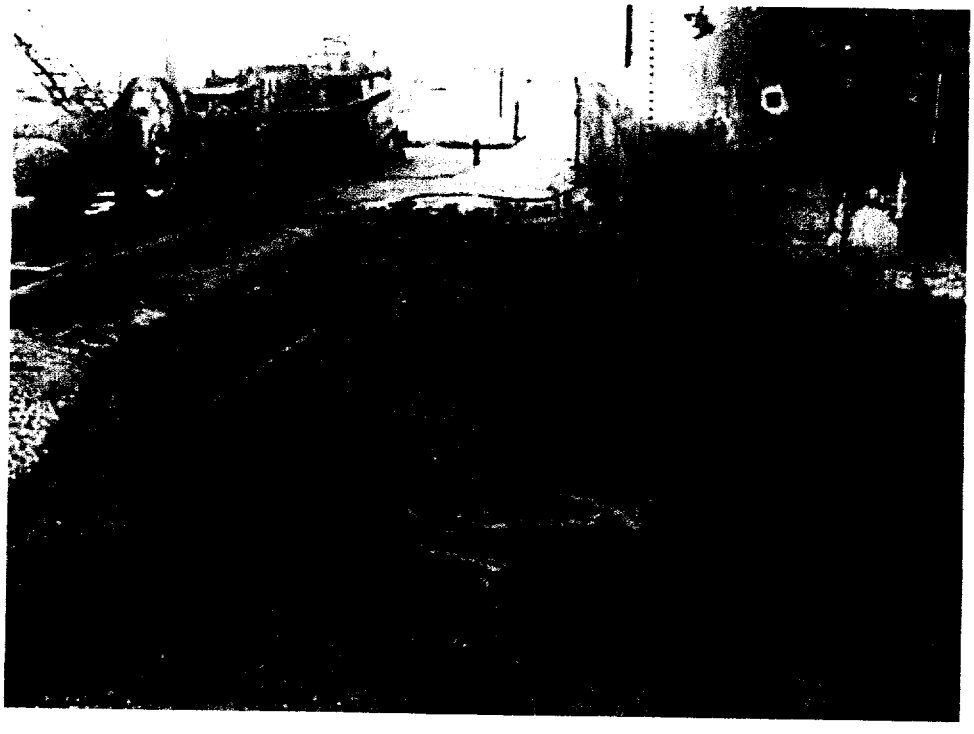


Picture 2 8/25/99

Salty Bill Water Disposal Facility

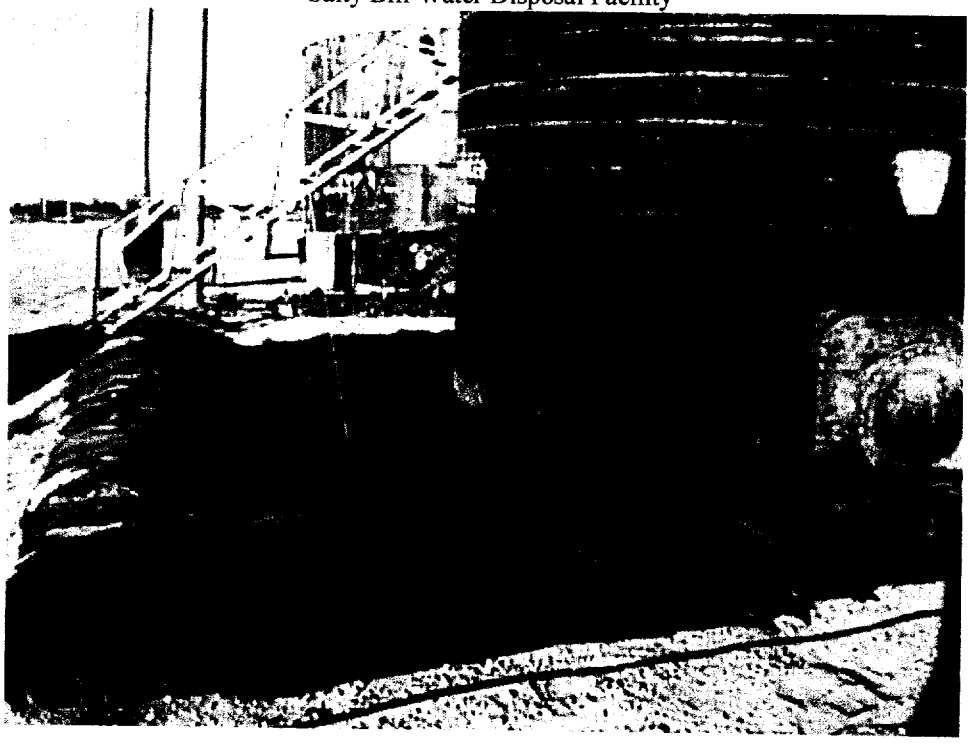


Picture 3 8/25/99



Picture 4 10/18/99

Salty Bill Water Disposal Facility



Picture 5 10/18/99



Picture 6 10/18/99

Salty Bill Water Disposal Facility

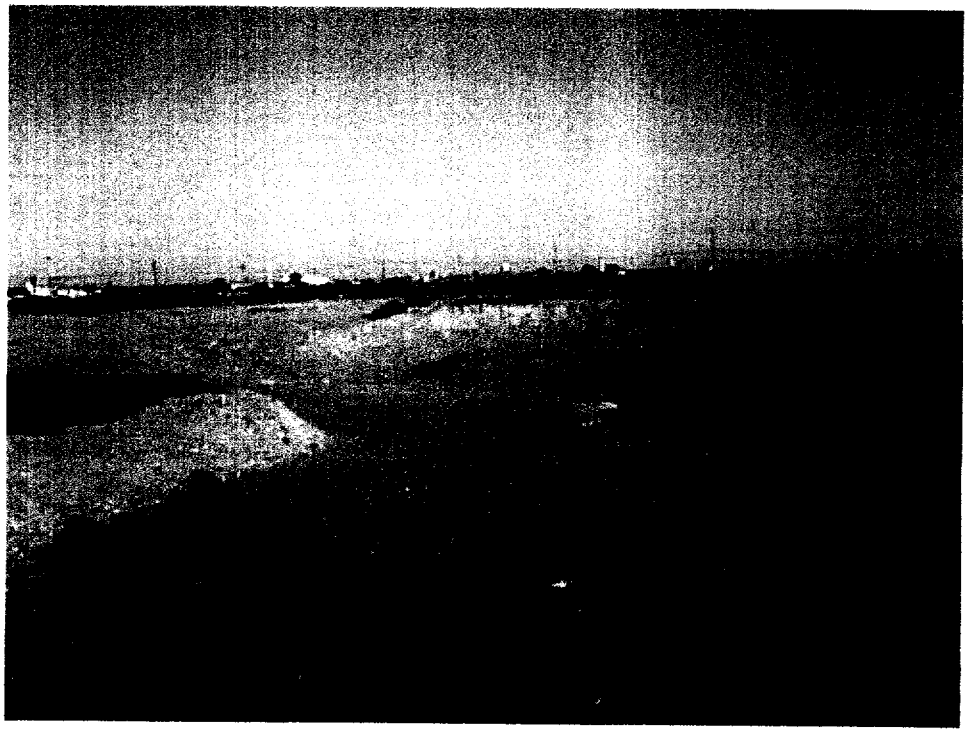


Picture 7 10/18/99



Picture 8 10/18/99

Salty Bill Water Disposal Facility



Picture 9 10/18/99

Salty Bill Water Disposal Cleanup 1998 Analytical Reports

NMOCD Required Cleanup Levels: Benzene 10 ppm, BTEX 50 ppm, TPH 100 ppm.

NMOCD Soil Investigation Guidance Levels: Metals and Chloride at WQCC levels.

Date Sampled	Sample Number	Sample Location	Sample Depth	Benzene 10 ppm	BTEX 50 ppm	Diesel range org.	Gasoline range org.	Mercury 0.002 ppm	Arsenic 0.1 ppm	Barium 1.0 ppm	Cadmium 0.01 ppm	Chromium 0.05 ppm	Lead 0.05 ppm	Selenium 0.05 ppm	Silver 0.05 ppm	Chloride 250 ppm
05/14/98	pump sump # 1	pump sump	4' bgs	<RDL	21	**4,500**	<RDL	<RDL	**1.1**	**3.0**	<RDL	<RDL	**1.1**	<RDL	<RDL	**10,000**
05/14/98	pump sump # 2	pump sump	4' bgs	<RDL	<RDL	**300**	<RDL	<RDL	**1.8**	**1.3**	<RDL	<RDL	<RDL	<RDL	<RDL	**8,800**
05/14/98	pump sump # 3	pump sump	4' bgs	<RDL	<RDL	**110**	<RDL	<RDL	**2.1**	**1.5**	<RDL	<RDL	<RDL	<RDL	<RDL	**8,500**
05/14/98	pump sump # 4	pump sump	4' bgs	<RDL	<RDL	85	<RDL	<RDL	**2.1**	**1.3**	<RDL	<RDL	<RDL	<RDL	<RDL	**9,100**
05/14/98	T-1	valve sump	18" bgs	<RDL	18	**960**	<RDL	<RDL	**2.0**	**1.6**	<RDL	<RDL	<RDL	<RDL	<RDL	**9,100**
05/14/98	T-2	valve sump	18" bgs	<RDL	**191**	**2,800**	**13**	<RDL	**1.1**	**1.6**	<RDL	<RDL	**1.2**	<RDL	<RDL	**5,100**
05/14/98	T-3	valve sump	18" bgs	<RDL	<RDL	**320**	<RDL	<RDL	**2.0**	**1.8**	<RDL	<RDL	<RDL	<RDL	<RDL	**16,000**
05/14/98	T-4	oil tanks	18" bgs	<RDL	34	**320**	<RDL	<RDL	<RDL	**1.7**	<RDL	<RDL	<RDL	<RDL	<RDL	**16,000**
05/14/98	T-5	oil tanks	18" bgs	<RDL	<RDL	**270**	<RDL	<RDL	**2.2**	**2.0**	<RDL	<RDL	<RDL	<RDL	<RDL	**15,000**
05/14/98	T-6	oil tanks	18" bgs	<RDL	<RDL	**690**	<RDL	<RDL	**1.2**	**1.6**	<RDL	<RDL	<RDL	<RDL	<RDL	**12,000**
05/14/98	T-7	oil tanks	18" bgs	<RDL		**1,500**	<RDL	<RDL	**1.9**	**1.5**	<RDL	<RDL	<RDL	<RDL	<RDL	**12,000**
05/14/98	Method blank			<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL
05/07/98	1-CG	overflow pit	6' bgs	<RDL	<RDL	**2,100**	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	**60,000**
05/07/98	2-CG	overflow pit	6' bgs	<RDL	<RDL	**150**	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	**10,000**
05/07/98	3-CG	overflow pit	6' bgs	<RDL	<RDL	**120**	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	**20,000**
05/07/98	4-CG	overflow pit		<RDL	<RDL	**200**	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	**20,000**
05/07/98	5-CG	overflow pit	6' bgs	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	**30,000**
05/07/98	6-CG	overflow pit	6' bgs	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	**1.7**	<RDL	<RDL	<RDL	<RDL	<RDL	**60,000**
05/07/98	7-CG	overflow pit	6' bgs	<RDL	<RDL	37	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	**40,000**
05/07/98	8-CG	overflow pit		<RDL	<RDL	**1,400**	<RDL	<RDL	<RDL	**1.1**	<RDL	<RDL	<RDL	<RDL	<RDL	**40,000**
05/07/98	9-CG	overflow pit		<RDL	<RDL	**940**	<RDL	<RDL	<RDL	**1.3**	<RDL	<RDL	<RDL	<RDL	<RDL	**60,000**
05/07/98	10-CG	overflow pit		<RDL	<RDL	**720**	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	**30,000**
05/07/98	11-CG	overflow pit		<RDL	<RDL	34	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	**80,000**
05/07/98	12-CG	overflow pit		<RDL	<RDL	**360**	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	**20,000**
05/07/98	13-CG	p. water tanks	12" bgs	<RDL	5.9	**350**	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	**40,000**
05/07/98	14-CG	p. water tanks	12" bgs	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	**1.0**	<RDL	<RDL	<RDL	<RDL	<RDL	**40,000**
05/07/98	15-CG	p. water tanks	12" bgs	<RDL	**60**	**1,200**	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	**30,000**
05/07/98	16-CG	p. water tanks	12" bgs	<RDL	<RDL	**780**	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	**30,000**
05/07/98	17-CG	p. water tanks	12" bgs	<RDL	<RDL	**130**	<RDL	<RDL	<RDL	**1.3**	<RDL	<RDL	<RDL	<RDL	<RDL	**30,000**
05/07/98	18-CG	p. water tanks	12" bgs	<RDL	43	**860**	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	**30,000**
05/07/98	19-CG	p. water tanks	12" bgs	<RDL	<RDL	**310**	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	**20,000**
05/07/98	20-CG	p. water tanks	12" bgs	<RDL	<RDL	**150**	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	**30,000**
05/07/98	21-CG	p. water tanks	12" bgs	<RDL	<RDL	**1000**	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	**30,000**
05/07/98	22-CG	p. water tanks	12" bgs	<RDL	<RDL	**560**	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	**40,000**
05/07/98	Method blank			<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL	<RDL

NOTE: Soil sample concentrations in **Bold** are above site standards or above WQCC standards.

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

January 24, 2000

CERTIFIED MAIL
RETURN RECEIPT NO. Z-559-572-262

Mr. Joel M. Carson
Losee, Carson, Haas, & Carroll, P.A.
311 West Quay Avenue
Artesia, NM 88211-1720

Re: Corinne B. Grace
Salty Bills Water Disposal Facility
NE/4, NW/4 of Section 36, Township 22 South, Range 26 East, NMPM
Eddy County, New Mexico

Mr. Carson:

The New Mexico Oil Conservation Division has received your letter dated December 27, 1999 requesting an extension of time from the January 5, 2000 deadline to February 19, 2000 for the submittal of a site assessment plan for the above referenced location. The extension request is hearby granted.

If you have any questions, please contact Martyne Kieling at (505) 827-7153.

Sincerely,

Roger C. Anderson
Environmental Bureau Chief

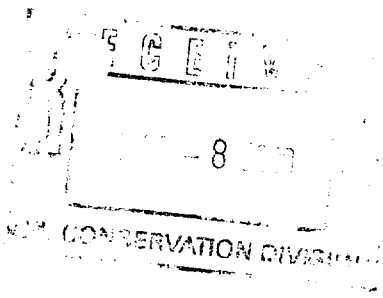
xc: Artesia OCD Office
Hobbs OCD Office
Ms. Corinne B. Grace, P.O. Box 1418, 3722 National Parks Hwy., Carlsbad, N.M. 88220
Eddie Seay, Peak Consulting

RECEIVED

MAR 0 8 2000

Environmental Bureau
Oil Conservation Division

March 2, 2000



NMOCD Environmental Bureau
ATTN: Martyne J. Kieling
2040 South Pacheco
Santa Fe, NM 87505

RE: Grace, Salty Bill Disposal

Dear Mrs. Kieling:

As per my letter dated 2-15-00, enclosed is the closure plan for the Salty Bill SWD facility. After receiving approval for closure, Grace will submit bids for the various closure activities. I am in hopes that the OCD will worth with Grace and allow some time to perform closure. The expense for closing this facility will be quite large and may take some time to appropriate funds. You consideration and time in this matter is greatly appreciated.

If you have any questions or need additional information, please call.

Sincerely,

Eddie W. Seay

Eddie W. Seay, Agent
601 W. Illinois
Hobbs, NM 88242
(505)392-2236

CLOSURE PLAN FOR SALTY BILL SWD

1) Shut down operations
   Notify truckers and operators of the closure.

2) Submit plug and abandon report for approval to OCD, C-103.

3) Clean out water and BS from storage tank and haul to an OCD approved facility.

4) Remove and sell tanks, pumps and associated equipment.

5) Plug and abandon well after OCD approval.

6) Excavate contaminated soils as per NOV and after equipment is removed, as per OCD rules.
   a) pit area
   b) below grade sump
   c) tank area
   d) off-loading area

7) File final closure report.

RECEIVED
FEB 18 2000
OIL CONSERVATION DIVISION

February 15, 2000

Oil Conservation Division, Environmental Bureau
ATTN: Mrs. Martyne J. Kieling
2040 S. Pacheco St.
Santa Fe, NM 87505

RE: Grace, Salty Bill Disposal

Dear Mrs. Kieling:

As per our discussion, Mrs. Grace has decided to close the facility. I need some time to prepare a closure plan for the facility. I have been in contact with David Catanach about the disposal well and he did not know of any violations with it. I do understand, and so do the Grace people, that the cleanup will encompass the NOV that are pending. I will have a plan in a few days, please allow me some time to get costs and figures together for abandonment.

If you have any questions or need additional information, please call. Thank you for your consideration.

Sincerely,

Eddie W. Seay

Eddie W. Seay, Agent
601 W. Illinois
Hobbs, NM 88242
(505)392-2236

Mike S, 3-8-00
Sorry This took So long getting to you.
Martyne

RECEIVED
OCD
ARTESIA

LAW OFFICES

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

ERNEST L. CARROLL
JOEL M. CARSON
JAMES E HAAS
R. TRACY SPROULS, LL.M. (TAX)

OF COUNSEL
A. J. LOSEE

311 WEST QUAY AVENUE
P. O. BOX 1720
ARTESIA, NEW MEXICO 88211-1720
PHONE (505) 746-3505
FAX (505) 746-6316

ROSWELL OFFICE
400 N. PENN., SUITE 870
ROSWELL, NM 88201
PHONE (505) 623-5154

PLEASE DIRECT ALL CORRESPONDENCE TO OUR ARTESIA OFFICE

December 27, 1999

DEC 29 1999

Mr. Roger C. Anderson
Environmental Bureau Chief
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87506

Re: NOV, Corinne B. Grace

Dear Mr. Anderson:

Corinne Grace has employed Eddie Seay as a consultant in connection with the above described NOV. Mr. Seay, Ms. Grace's superintendent, and I have gone to the site, reviewed the NOV, and had a preliminary discussion regarding alternatives. Mr. Seay has been instructed to prepare a plan, as well as cost estimates, discussing the feasibility of making the necessary changes and the costs of remediation to meet the requirements of the OCD. In the alternative, Mr. Seay has been instructed to determine the feasibility of closing the site and remediating any contamination caused by Grace.

Tests have shown the presence of contaminants not associated with the disposal of produced water. Mr. Seay has been asked to quantify any contamination which could have been caused by third parties.

Last, I have asked Mr. Seay to contact Martyne Kieling to let him know that he is now on board and will be working on this project.

We would request an extension of 45 days to accomplish the above tasks and present an acceptable site assessment.

Yours truly,

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

Joel M. Carson

JMC:bjk

xc: Ms. Corinne Grace
Mr. Gary Davis
Mr. Eddie Seay

30-015-10908

C-36-22-26

Corinne Grace

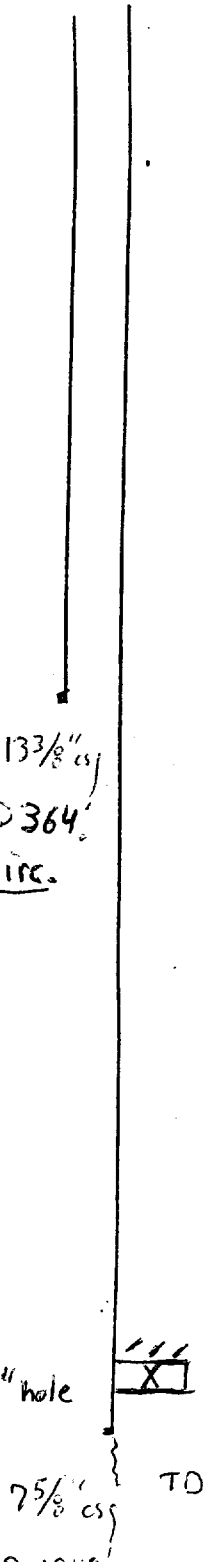
Salty Bill #1 SWD

Tops

T. Salt - 650'

B. Salt - 1700'

T. Delaw. - 1835'



* 10 sx surface Plug.

* Perforate 7 5/8" csg @ 414'. Squeeze 100' cement Plug inside & outside 7 5/8" csg. TAG

* Perforate 7 5/8" csg @ 1900' Squeeze 100' cement Plug inside & outside 7 5/8" csg. TAG

* Circulate brine gel.

* Run & set CIBP @ 1900' w/35' cement.

1.18
x200
236
x8.0206
1892'

2208
- 1892
316' cal. Toc

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

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-103
Revised March 25, 1999

WELL API NO. 015

5. Indicate Type of Lease STATE [X] FEE [ ]

6. State Oil & Gas Lease No. K-6290

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. Type of Well: Oil Well [ ] Gas Well [ ] Other SWD

7. Lease Name or Unit Agreement Name: Salty Bill

2. Name of Operator: Corinne Grace

8. Well No.

3. Address of Operator: Box 1418 Carlsbad, NM 88221-1418

9. Pool name or Wildcat

4. Well Location

Unit Letter C : 660 feet from the N line and 1980 feet from the W line

Section 36 Township 22 S Range 26 E NMPM County Eddy

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

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	[ ]	PLUG AND ABANDON	[X]	REMEDIAL WORK	[ ]	ALTERING CASING	[ ]
TEMPORARILY ABANDON	[ ]	CHANGE PLANS	[ ]	COMMENCE DRILLING OPNS.	[ ]	PLUG AND ABANDONMENT	[ ]
PULL OR ALTER CASING	[ ]	MULTIPLE COMPLETION	[ ]	CASING TEST AND CEMENT JOB	[ ]		
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. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation. Plan to P & A within 60 days of approval.

(1) Pull tubing and packer.
(2) Run in hole with wire line and CIBP and set at 1900'.
(3) Run in hole with tubing and spot 35' plug on top of CIBP.
(4) Pressure test casing.
(5) Load hole with salt gel 25# per barrel.
(6) 100 ft. plug across from shoe 50/50 from 314 to 414.
(7) 25 sx plug at surface.
(8) Erect marker and clean location.

* Perforate 7 5/8" casing @ 1700'. Squeeze 100' cement Plug inside + outside 7 5/8" casing. TAG
* Perforate 7 5/8" casing @ 414'. Squeeze 100' cement Plug inside + outside 7 5/8" casing. TAG

JUN 2000 RECEIVED OCD - ARTESIA

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

SIGNATURE Eddie W Seay TITLE Agent DATE 6/8/00

Type or print name Eddie W. Seay (601 W. Illinois, Hobbs, NM) Telephone No. 392-2236

(This space for State use)

APPPROVED BY Mike Stubblefield TITLE Field Rep. II DATE 6/13/2000

Conditions of approval, if any:

* Notifie NMOCD To witness Plugging Operations.

NO. OF COPIES RECEIVED	6	
DISTRIBUTION		
SANTA FE	1	
FILE	1	
U.S.G.S.	2	
LAND OFFICE	1	
OPERATOR		

Form C-105
Revised 1-1-65

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

5a. Indicate Type of Lease: State [X] Fee [ ]

5. State Oil & Gas Lease No.: K-6290

1a. TYPE OF WELL

b. TYPE OF COMPLETION: OIL WELL [ ] GAS WELL [ ] DRY [ ] OTHER Water Disposal
NEW WELL [X] WORK OVER [ ] DEEPEN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] OTHER

7. Unit Agreement Name:

8. Farm or Lease Name: Salty Bill

2. Name of Operator: Corinne Grace

9. Well No.: 1

3. Address of Operator: c/o Oil Reports & Gas Services, Inc., Box 763, Hobbs, New Mexico 88240

10. Field and Pool, or Wildcat:

4. Location of Well
UNIT LETTER C LOCATED 660 FEET FROM THE North LINE AND 1980 FEET FROM THE West LINE OF SEC. 36 TWP. 22 S RGE. 26 E NMPM

12. County: Eddy

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Cashinghead
2/12/71	5/24/71	3/15/72	Not available	

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
2208'			→	716-2208	0-716

24. Producing Interval(s), of this completion — Top, Bottom, Name
None - water disposal well

25. Was Directional Survey Made: No

26. Type Electric and Other Logs Run
Acoustilog

27. Was Well Cored: No

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

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8	48#	364	17 1/2	400	None
7 5/8	29.7#	1948	9	200	None

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 7/8	2124	1884

31. Perforation Record (Interval, size and number)
None - open hole

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
1948 - 2208	2000 gal 15% acid

RECEIVED
JUN 2000
OCD - ARTESIA

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping — Size and type pump)	Well Status (Prod. or Shut-in)
		Water Disposal

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas—Oil Ratio

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)

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

Test Witnessed By

35. List of Attachments

36. 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.

MAYO MARRS CASING PULLING INC.

CORINNE GRACE
P.O. BOX 1418
CARLSBAD, N.M. 88221
ATTN: FAX

Lease: SALTY BILL # 1
Project: P & A

10-26-00
NOTIFY OCD - MIRU – NUBOP – UNSET PACKER - POOH WITH TUBING – CLOSE IN FOR NIGHT – HOOK UP BEACON FOR AIRPORT

10-27-00
RIH & SET CIBP @ 1,900' – RIH WITH TUBING & CIR. 10# MUD TO SURFACE – SPOT 10 SXS CEMENT ON TOP OF CIBP – POOH WITH TTUBING – TEST CASING TO 700# PER OCD FOR 10 MINUTES – PERFORATE CASING @ 1700' – RIH WITH PACKER – PRESSURE TEST TO 700# - POOH WITH PACKER – RIH OPEN-ENDED TO 1750' – SPOT 25 SXS – POOH – RIH & PERFORATE @ 414' – RIH WITH PACKER & SQUEEZE 60 SXS – CLOSE IN WELL

10-30-00
RIH & TAG CEMENT @ 303' – POOH & SPOT 25 SXS @ 100' TO SURFACE – INSTALL DRY HOLE MARKER - CUT OFF WELLHEAD – LEVEL PIT & CELLAR – MOVE OUT

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

Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

WELL API NO.

5. Indicate Type of Lease STATE ☒ FEE ☐

6. State Oil & Gas Lease No. K-6290

7. Lease Name or Unit Agreement Name: Salty Bill

8. Well No.

9. Pool name or Wildcat

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

1. Type of Well: Oil Well ☐ Gas Well ☐ Other SWD

2. Name of Operator: Corinne Grace

3. Address of Operator: Box 1418 Carlsbad, NM 88221-1418

4. Well Location
Unit Letter C : 660 feet from the N line and 1980 feet from the W line
Section 36 Township 22 S Range 26 E NMPM County Eddy

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

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

NOTICE OF INTENTION TO:				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	☐	MULTIPLE COMPLETION	☐	CASING TEST AND CEMENT JOB	☐		
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. For Multiple Completions: Attach wellbore diagram of proposed completion

10-27 2000 – SET CIBP @ 1,900' – SPOT 10 SXS ON TOP – TOC 1,850'
10-27-2000 – PERFORATE @ 1700' – COULD NOT PUMP INTO PERFS
10-27-2000 - SPOT 25 SXS @ 1750'-1650'
10-30-2000 - PERFORATED @ 414' – SQUEEZED 60 SXS – TAG @ 303'
10-30-2000 - SPOT 25 SXS @ 100'- SURFACE

INSTALL DRY HOLE MARKER
CIRCULATE 10# MUD

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

SIGNATURE Eddie W. Seay TITLE Agent DATE 12/28/2001

Type or print name Eddie W. Seay (601 W. Illinois, Hobbs, NM) Telephone No. 392-2236

(This space for State use)

APPPROVED BY _____ TITLE _____ DATE _____

Conditions of approval, if any:

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Jennifer A. Salisbury
Cabinet Secretary

May 22, 2001

Lori Wrotenbery
Director
Oil Conservation Division

CERTIFIED MAIL
RETURN RECEIPT NO. 3771 7286



Ms. Corinne B. Grace
P.O. Box 1418
3722 National Parks Hwy.
Carlsbad, New Mexico 88220

Re: Salty Bills Disposal Facility
NE/4, NW/4 of Section 36, Township 22 South, Range 26 East, NMPM
Eddy County, New Mexico

Dear Ms. Grace:

The New Mexico Oil Conservation Division (OCD) is in receipt of the closure report dated March 30, 2001 submitted by Eddie W. Seay, Agent for Salty Bill Disposal. In order for the OCD to continue the evaluation of the closure, the following information is required:

1. The photographs supplied were not numbered, dated and no documentation was supplied describing each picture. Please provide.

2. The vertical extent of the chlorides were not totally delineated in the sump and pit area. Please provide.

3. The vertical profile and extent of the chlorides were not determined in the tank battery area. Please provide.

4. The closure report did not address the remaining contamination in the vadose below the bottom of the pit area. Please address this issue.

Please submit the above requested information by June 29, 2001.

If you have any questions please do not hesitate to contact me at 505-476-3487.

Sincerely;

Wayne Price-Pet. Engr. Spec.

cc: OCD Artesia Office
Eddie Seay-Agent for Salty Bills Disposal Facility

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Betty Rivera
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

March 06, 2002



CERTIFIED MAIL
RETURN RECEIPT NO. 5357 7157

Ms. Corinne B. Grace
P.O. Box 1418
3722 National Parks Hwy.
Carlsbad, New Mexico 88220

Re: Salty Bills Disposal Facility 711-076
NE/4, NW/4 of Section 36, Township 22 South, Range 26 East, NMPM
Eddy County, New Mexico

Dear Ms. Grace:

The New Mexico Oil Conservation Division (OCD) is in receipt of the closure report dated September 10, 2001 submitted by Eddie W. Seay, Agent for Salty Bill Disposal. In order for the OCD to continue the evaluation of the closure, the following information is required:

1. The vertical extent of the salts (i.e. chlorides) were not totally delineated in the vadose zone below the sump, tank battery and pit areas. Please provide this information or propose a method to determine if groundwater has been impacted beneath the site.

2. The closure report proposed leaving salt contaminated soil in the vadose zone below the sump, tank battery and pit areas by installing a hydrologic barrier over these areas and back-filling with clean soil to surface grade.

   Please provide a scaled plot plan map and cross-section views showing the location and depth of all liner(s). Provide information concerning the design, construction, and hydro-geologic properties, etc. of the liner system including the estimated life. Also, provide a plan describing how the liner(s) will be protected in the foreseeable future, e.g. signs, fencing, deed recording etc.

3. Provide a technical demonstration showing how the liner(s) will protect fresh water in the foreseeable future.

Please submit the above requested information for OCD approval by May 15, 2002.

If you have any questions please do not hesitate to contact me at 505-476-3487 or E-mail WPRICE@state.nm.us.

Sincerely;

Wayne Price-Pet. Engr. Spec.

cc: OCD Artesia Office
Eddie Seay-Agent for Salty Bills Disposal Facility
Jon R. Tully-City of Carlsbad

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

Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

WELL API NO. 30-015-10908
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. K-6290

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

7. Lease Name or Unit Agreement Name: Salty Bill SWD #1

1. Type of Well: Oil Well ☐ Gas Well ☐ Other SWD
2. Name of Operator: Corinne Grace
8. Well No.
3. Address of Operator: Box 1418 Carlsbad, NM 88221-1418
9. Pool name or Wildcat
4. Well Location
Unit Letter C : 660 feet from the N line and 1980 feet from the W line
Section 36 Township 22 S Range 26 E NMPM County Eddy
10. Elevation (Show whether DR, RKB, RT, GR, etc.)

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

NOTICE OF INTENTION TO:				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	☐	MULTIPLE COMPLETION	☐	CASING TEST AND CEMENT JOB	☐		
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. For Multiple Completions: Attach wellbore diagram of proposed completion

10-27 2000 – SET CIBP @ 1,900' – SPOT 10 SXS ON TOP – TOC 1,850'
10-27-2000 – PERFORATE @ 1700' – COULD NOT PUMP INTO PERFS
10-27-2000 - SPOT 25 SXS @ 1750'-1650'
10-30-2000 - PERFORATED @ 414' – SQUEEZED 60 SXS – TAG @ 303'
10-30-2000 - SPOT 25 SXS @ 100'- SURFACE

INSTALL DRY HOLE MARKER
CIRCULATE 10# MUD

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

SIGNATURE Eddie W. Seay TITLE Agent DATE 12/28/2001

Type or print name Eddie W. Seay (601 W. Illinois, Hobbs, NM) Telephone No. 392-2236

(This space for State use)

APPPROVED BY TITLE Field Rep II APPROVED JUL 29 2003

Conditions of approval, if any: DATE

Reno, Carmen Need final P&A Insp

From: Price, Wayne
Sent: Friday, July 25, 2003 3:18 PM
To: Reno, Carmen
Cc: Stubblefield, Mike
Subject: RE: bond cancellation for Salty Bill

Mike would you make a final inspection. I think the only issue was the P&A of the monitor wells. I have a closure report and approved it.

-----Original Message-----
From: Reno, Carmen
Sent: Friday, July 25, 2003 3:16 PM
To: Price, Wayne
Subject: RE: bond cancellation for Salty Bill

It should also have an inspection done first, shouldn't it.

-----Original Message-----
From: Price, Wayne
Sent: Friday, July 25, 2003 2:54 PM
To: Phillips, Dorothy
Cc: Stubblefield, Mike; Reno, Carmen; Eddie Seay (E-mail); Kieling, Martyne
Subject: bond cancellation for Salty Bill

OCD Environmental Bureau approves cancellation of the $5000 single well cash bond for Corinne Grace Bond N0. OCD-723 for Salty Bill No. 1 660' FNL and 1980 FWL section 36, Ts 22 S, R 26 E Eddy Co. I am coping the district to make sure they concur.

Sincerely:
<< OLE Object: Picture (Metafile) >>
Wayne Price
New Mexico Oil Conservation Division
1220 S. Saint Francis Drive
Santa Fe, NM 87505
505-476-3487
fax: 505-476-3462
E-mail: WPRICE@state.nm.us

7-28-03 cleared to released.
Location P/A - OK

Reno, Carmen

From: Price, Wayne
Sent: Friday, July 25, 2003 2:54 PM
To: Phillips, Dorothy
Cc: Stubblefield, Mike; Reno, Carmen; Eddie Seay (E-mail); Kieling, Martyne
Subject: bond cancellation for Salty Bill

OCD Environmental Bureau approves cancellation of the $5000 single well cash bond for Corinne Grace Bond N0. OCD-723 for Salty Bill No. 1 660' FNL and 1980 FWL section 36, Ts 22 S, R 26 E Eddy Co. I am coping the district to make sure they concur.

Sincerely:



Wayne Price
New Mexico Oil Conservation Division
1220 S. Saint Francis Drive
Santa Fe, NM 87505
505-476-3487
fax: 505-476-3462
E-mail: WPRICE@state.nm.us

5

Energy, Minerals and Natural Resources

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

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

WELL API NO. 30-015-10908
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. K-6290

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

7. Lease Name or Unit Agreement Name: Salty Bill SWD #1

1. Type of Well: Oil Well ☐ Gas Well ☐ Other SWD
2. Name of Operator: Corinne Grace
8. Well No. 30-015-10908
3. Address of Operator: Box 1418 Carlsbad, NM 88221-1418
9. Pool name or Wildcat
4. Well Location
Unit Letter C : 660 feet from the N line and 1980 feet from the W line
Section 36 Township 22 S Range 26 E NMPM County Eddy
10. Elevation (Show whether DR, RKB, RT, GR, etc.)

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

NOTICE OF INTENTION TO:		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 ☐	MULTIPLE COMPLETION ☐	CASING TEST AND CEMENT JOB ☐	
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. For Multiple Completions: Attach wellbore diagram of proposed completion

10-27 2000 – SET CIBP @ 1,900' – SPOT 10 SXS ON TOP – TOC 1,850'
10-27-2000 – PERFORATE @ 1700' – COULD NOT PUMP INTO PERFS
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10-30-2000 - PERFORATED @ 414' – SQUEEZED 60 SXS – TAG @ 303'
10-30-2000 - SPOT 25 SXS @ 100'- SURFACE

INSTALL DRY HOLE MARKER
CIRCULATE 10# MUD

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

SIGNATURE [signature] TITLE Agent DATE 12/28/2001

Type or print name Eddie W. Seay (601 W. Illinois, Hobbs, NM) Telephone No. 392-2236

(This space for State use)

APPPROVED BY [signature] TITLE Field Rep II APPROVED JUL 29 2003

Conditions of approval, if any: DATE

New Mexico Energy, Minerals and Natural Resources Department

Bill Richardson
Governor

Joanna Prukop
Cabinet Secretary
Reese Fullerton
Deputy Cabinet Secretary

Mark Fesmire
Division Director
Oil Conservation Division

January 22, 2009

JAN 26 2009

Ms. Corinne B. Grace
Grace Oil Company
c/o Eddie W. Seay
601 W. Illinois
Hobbs, NM 88242

30-015-10408

RE: Salty Bill Disposal Facility - NM076
NE/4 of NW/4 of Section 36, Township 22 South, Range 26 East, NMPM
Eddy County, New Mexico

Dear Ms. Grace:

The Oil Conservation Division (OCD) has received the upgradient chloride data for the pit closures and the two monitor well plugging reports associated with the Salty Bill Disposal Facility, located in the NE/4 of NW/4 of Section 36, Township 22 South, Range 26 East, NMPM, Lee County, New Mexico. Based on the information that you have provided, OCD approves the closure of the Salty Bill Disposal Facility .

Please be advised that OCD's approval does not relieve Grace of liability if remaining contaminants are found to pose a future threat to surface water, ground water, human health, and the environment. In addition, OCD approval does not relieve Grace of responsibility for compliance with any other federal, state, tribal or local law and/or regulations.

If there are any questions regarding this matter, please do not hesitate to contact me at (505) 476-3488 or at glenn.vongonten@state.nm.us.

Sincerely,

Glenn von Gonten
Senior Hydrologist
GvG/gvg
xc: OCD District II Office, Artesia
Mr. Richard Aguilar, City of Carlsbad

Agrid 19797
Prop - 16801
Pool - 96347 (Brine Supply Well)

PLT

9/25/00

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SANTA FE		
FILE		✓
U.S.G.S.		
LAND OFFICE		
OPERATOR		

30-015-21842

NEW MEXICO OIL CONSERVATION COMMISSION

RECEIVED

MAY 20 1976

O. C. C.
ARTESIA, OFFICE

Form C-101
Revised 1-1-65

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

b. Type of Well — DRILL ☐ DEEPEN ☐ PLUG BACK ☐
OIL WELL ☐ GAS WELL ☐ OTHER Brine well SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. Name of Operator
[illegible] Inc,

3. Address of Operator
Box 1402, Hobbs, New Mexico 88240

4. Location of Well
UNIT LETTER H LOCATED [illegible] FEET FROM THE [illegible] LINE
AND 330 FEET FROM THE East LINE OF SEC. 36 TWP. [illegible] RGE. 26E NMPM

5A. Indicate Type of Lease — STATE ☐ FEE ☐

5. State Oil & Gas Lease No.
[illegible]

7. Unit Agreement Name
[illegible]

8. Farm or Lease Name
[illegible]

9. Well No.
1

10. Field and Pool, or Wildcat
Wildcat

12. County
Eddy

19. Proposed Depth	19A. Formation	20. Rotary or C.T.
1700'	Salt	[illegible]

21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
	Blanket		6-1-76

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 3/4"	8 5/8"	24	350'	150	circulate
7 7/8"	5 1/2"	15.5	1700'	200	circulate

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED,
EXPIRES 9-14-76

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed K. D. Braden Title Vice President Date 5-20-76

(This space for State Use)

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE JUN 14 1976

CONDITIONS OF APPROVAL, IF ANY:

Cement must be circulated to surface behind 8 5/8" & 5 1/2" casing

Notify N.M.O.C.C. in sufficient time to witness cementing the 8 5/8" & 5 1/2" casing

NEW MEXICO OIL CONSERVATION COMMISSION

WELL LOCATION AND ACREAGE DEDICATION PLAT

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

All distances must be from the outer boundaries of the Section

Operator	Lease	Well No.
Truckers Water Company ~~A Division of United Chemical Corp. of N.M.~~	Brine Well	1

Unit Letter	Section	Township	Range	County
H	36	22 South	26 East	Eddy

Actual Footage Location of Well:
2420 feet from the North line and 330 feet from the East line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
			Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

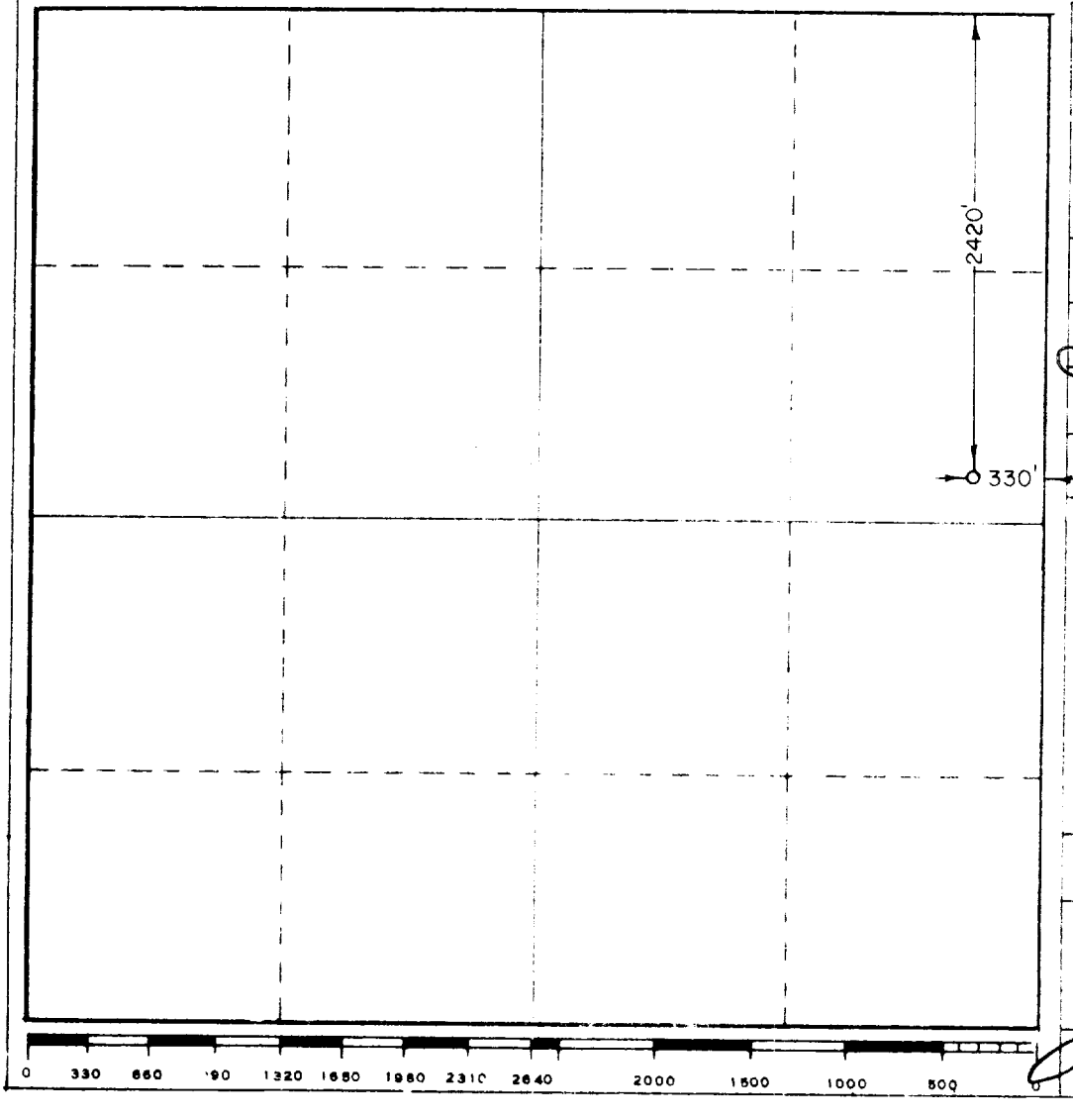
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name: R J Braley

Position: Vice Pres.

Company: Truckers Water Co.

Date: 5-20-76

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: December 18, 1975

Registered Professional Engineer and/or Land Surveyor: W. W. Weir

Certificate No. 676

REG. PROF. ENGINEER & LAND SURVEYOR
STATE OF NEW MEXICO
676

Form Approved Budget Bureau No. 04-R0001.

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

NOTICE OF PROPOSED CONSTRUCTION OR ALTERATION

FOR USE COMPLETED BY FAA

7/FWP-477-OE

FAA NO. (IF KNOWN) (ENTER THIS NUMBER IN ANY CORRESPONDENCE CONCERNING THIS PROPOSAL)

A. A STUDY OF THIS PROPOSAL HAS BEEN MADE TO DETERMINE THE FOLLOWING:
- ☐ DOES NOT REQUIRE A NOTICE TO FAA.
- ☐ WOULD NOT EXCEED ANY STANDARD OF PART 77, AND WOULD NOT BE A HAZARD TO AIR NAVIGATION.
- ☐ SHOULD BE MARKED AND LIGHTED PER FAA "OBSTRUCTION MARKING AND LIGHTING" ADVISORY CIRCULAR TO 7460-1.
- ☐ REQUIRES SUPPLEMENTAL NOTICE. FORM 7460-2 ENCLOSED.

B. COPY SENT TO FCT ☐ TEA ☐ MO

REVIEWING OFFICER [illegible] DATE 6/11/76

1. NATURE OF STRUCTURE (Complete both A and B below)

A. (Check one)
☒ NEW CONSTRUCTION ☐ ALTERATION

B. (Check one)
☐ PERMANENT ☒ TEMPORARY (State length of time) 30 days Mos.

2. NAME AND ADDRESS OF INDIVIDUAL, COMPANY, CORPORATION, ETC. PROPOSING THE CONSTRUCTION OR ALTERATION (Number, Street, City, State and Zip Code)

United Chemical Corporation
TO dba Truckers Water Company
Box 1499
Hobbs, New Mexico 88240

MAY 25 1976

cc: ASW-900 James W. Parker

3. TYPE AND COMPLETE DESCRIPTION OF STRUCTURE

Cable Tool Drilling Rig

4. LOCATION OF STRUCTURE

A. COORDINATES (To nearest second)
LATITUDE: ° ' " LONGITUDE: ° ' "
SEE DIAGRAM ATTACHED

B. NEAREST CITY OR TOWN, AND STATE
Carlsbad, New Mexico 88220

(1) DISTANCE FROM 4B: Approximately 4 MILES
(2) DIRECTION FROM 4B: Southwest

C. NAME OF NEAREST AIRPORT, HELIPORT, OR SEAPLANE BASE
Carlsbad Municipal Airport

(1) DISTANCE FROM NEAREST POINT OF AIRPORT 4C: Approximately 1 mile
(2) DIRECTION FROM AIRPORT: east/northeast

D. DESCRIPTION OF LOCATION OF SITE WITH RESPECT TO HIGHWAYS, STREETS, AIRPORTS, PROMINENT TERRAIN FEATURES, EXISTING STRUCTURES, ETC. (Attach a highway, street, or any other appropriate, map or scaled drawing showing the relationship of construction site to nearest airport(s). If more space is required, continue on a separate sheet of paper and attach to this notice.)

A 3.00 acre tract of land located in Section 36, Township 22 south, Range 26 east and Section 31, Township 22 south, Range 27 east, NMPM, Eddy County, New Mexico.

SEE ATTACHED SHEET FOR SCALE DRAWING

5. HEIGHT AND ELEVATION (Complete A, B and C to the nearest foot)

A. ELEVATION OF SITE ABOVE MEAN SEA LEVEL	3,284'
B. HEIGHT OF STRUCTURE INCLUDING APPURTENANCES AND LIGHTING (if any) ABOVE GROUND, OR WATER IF SO SITUATED	50'
C. OVERALL HEIGHT ABOVE MEAN SEA LEVEL (A+B)	3,334'

6. WORK SCHEDULE DATES

A. WILL START: approximately June 1, 1976
B. WILL COMPLETE: approximately June , 1976

7. OBSTRUCTION MARKINGS - The completed structure will be:

	YES	NO
A. MARKED AS SPECIFIED IN THE FAA ADVISORY CIRCULAR 70/7460-1, OBSTRUCTION MARKING AND LIGHTING		X
B. LIGHTED AS SPECIFIED IN THE FAA ADVISORY CIRCULAR 70/7460-1, OBSTRUCTION MARKING AND LIGHTING		X

I HEREBY CERTIFY that all of the above statements made by me are true, complete, and correct to the best of my knowledge.

8. NAME AND TITLE OF PERSON FILING THIS NOTICE (Type or Print)
Jesse [illegible]
[illegible]
Carls[illegible], New Mex.

9. SIGNATURE (In ink)
[signature]

10. DATE OF SIGNATURE: 5-24-76

11. TELEPHONE NO. (Precede with area code): 505-885-2053

Persons who knowingly and willfully fail to comply with the provisions of the Federal Aviation Regulations Part 77 are liable to a fine of $500 for the first offense, with increased Penalties thereafter as provided by Section 902(a) of the Federal Aviation Act of 1958 as amended.

FAA Form 7460-1 (1-63) SUPERSEDES

THIS DETERMINATION EXPIRES 12/1/77 IF CONSTRUCTION HAS NOT BEGUN ON THE PROPOSED STRUCTURE; IN WHICH CASE ANY INTERESTED PERSON, INCLUDING THE FAA, MAY AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE PRESENT EVIDENCE BASED ON NEW FACTS THAT WOULD CHANGE THE BASIS ON WHICH THE DETERMINATION WAS MADE. BASED ON THE NEW FACTS PRESENTED, THE FAA MAY REVISE, EXTEND OR AFFIRM THE DETERMINATION. REQUEST FOR EXTENSION OF THE EFFECTIVE DATE SHOULD BE SUBMITTED BY THE PROPONENT 15 DAYS PRIOR TO EXPIRATION DATE.

RECEIVED
JUN 14 1976
O. C. C.
ARTESIA, OFFICE

OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO
P. O. DRAWER DD - ARTESIA
88210

DIRECTOR
JOE D. RAMEY

LAND COMMISSIONER
PHIL R. LUCERO

STATE GEOLOGIST
EMERY C. ARNOLD

June 8, 1976

Truckers Water Co. Inc.
Box 1499
Hobbs, NM 88240

Re: City of Carlsbad Brinewell
#1-H, 36-22-26
Eddy County, NM

Gentlemen:

Notice of Intention to Drill the subject well was received in this office on May 20, 1976.

However, to date, we have not received a letter from the Carlsbad airport stating that a rig at this location would not interfere with their operations.

Upon receipt of said letter, this application will be processed.

If you have any questions concerning this matter, please feel free to call upon me.

Sincerely yours,

W. A. Gressett

W. A. Gressett
Supervisor-District II

WAG/th

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SANTA FE	1	
FILE	1	✓
U.S.G.S.	2	
LAND OFFICE	1	
OPERATOR		

Bureau of Mines ✓

RECEIVED

SEP 13 1976

O. C. C.
ARTESIA, OFFICE

NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Form C-105
Revised 1-1-65

5a. Indicate Type of Lease: State [X] Fee [ ]

5. State Oil & Gas Lease No.: Salt Mining #M19264

1a. TYPE OF WELL

b. TYPE OF COMPLETION: OIL WELL [ ] GAS WELL [ ] DRY [ ] OTHER Brine Well
NEW WELL [ ] WORK OVER [ ] DEEPEN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] OTHER

7. Unit Agreement Name:

8. Farm or Lease Name: City of Carlsbad

2. Name of Operator: Truckers Water Company ✓

9. Well No.: 1

3. Address of Operator: P. O. Box 1499, Hobbs, New Mexico 88240

10. Field and Pool, or Wildcat: Wildcat

4. Location of Well

UNIT LETTER H LOCATED 2420 FEET FROM THE North LINE AND 330 FEET FROM THE East LINE OF SEC. 36 TWP. 22S RGE. 26E NMPM

12. County: Eddy

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Cashinghead
7-13-76	8-20-76	8-31-76		

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
930			→		X

24. Producing Interval(s), of this completion — Top, Bottom, Name: Salt - 710' Salt 930'

25. Was Directional Survey Made: No

26. Type Electric and Other Logs Run: None

27. Was Well Cored: No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	32#	350'	13"	225 sx Class C	
5 1/2	14#	710'	7 7/8	150 sx Class C	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8	926'	No

31. Perforation Record (Interval, size and number)

Open hole 710 - 930

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED

POSTED ID-2 + COMP 10-1-76

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping — Size and type pump)	Well Status (Prod. or Shut-in)
8-31	Circulating fresh water	Circulating

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas—Oil Ratio

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)

34. Disposition of Gas (Sold, used for fuel, vented, etc.)

Test Witnessed By

35. List of Attachments

36. 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.

SIGNED R J Beeler ✓ TITLE Vice-President DATE 9-9-76

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission 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 30 through 34 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				Northwestern New Mexico			
T. Anhy	[redacted] 240	T. Canyon		T. Ojo Alamo		T. Penn. "B"	
T. Salt	[redacted] 715	T. Strawn		T. Kirtland-Fruitland		T. Penn. "C"	
B. Salt		T. Atoka		T. Pictured Cliffs		T. Penn. "D"	
T. Yates		T. Miss		T. Cliff House		T. Leadville	
T. 7 Rivers		T. Devonian		T. Menefee		T. Madison	
T. Queen		T. Silurian		T. Point Lookout		T. Elbert	
T. Grayburg		T. Montoya		T. Mancos		T. McCracken	
T. San Andres		T. Simpson		T. Gallup		T. Ignacio Qtzte	
T. Glorieta		T. McKee		Base Greenhorn		T. Granite	
T. Paddock		T. Ellenburger		T. Dakota		T.	
T. Blinebry		T. Gr. Wash		T. Morrison		T.	
T. Tubb		T. Granite		T. Todilto		T.	
T. Drinkard		T. Delaware Sand		T. Entrada		T.	
T. Abo		T. Bone Springs		T. Wingate		T.	
T. Wolfcamp		T.		T. Chinle		T.	
T. Penn.		T.		T. Permian		T.	
T Cisco (Bough C)		T.		T. Penn. "A"		T.	

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	210	210	Red bed and shale				
210	240	30	Anhydrite and shale				
240	715	475	Anhydrite				
715	TD	211	Salt				

Dowell - 746-4115

NEW MEXICO OIL CONSERVATION COMMISSION
DRAWER DD
ARTESIA, NEW MEXICO

FIELD REPORT FOR CEMENTING OF WELLS

Operator		Lease	Well #
Truckon Water Co. Inc.		City of Carlsbad Supply (Same)	1

Location of Well	Unit	Section	Township	Range	County
2242 N 330 E	H	36	22	26	Eddy

Drilling Contractor	Type of Equipment
	Cable tools

APPROVED CASING PROGRAM

Size of Hole	Size of Casing	Weight Per Foot	New or Used	Depth	Sacks Cement
12 1/4"	8 5/8"	24		350	150 Circ.
7 7/8"	5 1/2	15.5		650	200 Circ.

Casing Data:

Surface 13 joints of 8 5/8 inch 32 # Grade J-55

(Approved) ~~(Rejected)~~

Inspected by Nick Tinker date

Cementing Program

Size of hole 10" Size of Casing 8 5/8 Sacks cement required 225

Type of Shoe used Float collar used Btm 3 jts welded

TD of hole 350' Set 350' Feet of 8 5/8 Inch 32 # Grade J-55

New- ~~used~~ csg. @ 350 with 225 sacks neat cement around shoe

+ — sax — additives 2% Gel

Plug down @ 1:30 ~~(AM)~~ (PM) Date 7-17-96

Cement circulated Yes No. of Sacks 0

Cemented by Dowell Witnessed by Nick Tinker

Temp. Survey ran @ (AM) (PM) Date top cement @

Casing test @ (AM) (PM) Date

Method Used Witnessed by

Checked for shut off @ (AM) (PM) Date

Method used Witnessed by

Remarks: Cement circulated but settled back about 12' so used ready-mix to surface.

NO. OF COPIES RECEIVED	3	
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SANTA FE	1	
FILE	1	V
U.S.G.S.		
LAND OFFICE		
OPERATOR	1	

NEW MEXICO OIL CONSERVATION COMMISSION

RECEIVED
SEP 13 1976
O. C. C.
ARTESIA, OFFICE

Form C-103
Supersedes Old C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease: State [X] Fee [ ]

5. State Oil & Gas Lease No.: Salt Mining #M19264

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT —" (FORM C-101) FOR SUCH PROPOSALS.)

7. Unit Agreement Name:

OIL WELL [ ] GAS WELL [ ] OTHER- brine Well

2. Name of Operator: Truckers Water Company, Inc.

8. Farm or Lease Name: City of Carlsbad

3. Address of Operator: P. O. Box 1499, Hobbs, New Mexico 88240

9. Well No.: 1

4. Location of Well: UNIT LETTER H, 2420 FEET FROM THE North LINE AND 330 FEET FROM THE East LINE, SECTION 36 TOWNSHIP 22S RANGE 30E NMPM.

10. Field and Pool, or Wildcat: Wildcat

15. Elevation (*Show whether DF, RT, GR, etc.*)

12. County

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK [ ]	PLUG AND ABANDON [ ]	REMEDIAL WORK [ ]	ALTERING CASING [ ]
TEMPORARILY ABANDON [ ]		COMMENCE DRILLING OPNS. [ ]	PLUG AND ABANDONMENT [ ]
PULL OR ALTER CASING [ ]	CHANGE PLANS [ ]	CASING TEST AND CEMENT JOB [X]	
OTHER [ ]		OTHER [ ]	

17. Describe Proposed or Completed Operations (*Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work*) SEE RULE 1103.

Ran 350' 8 5/8" 32# casing
Cemented with 225 sx Class "C" plus 2% Calcium Chloride
Cement circulated
W. O. C. 24 hours and bailed dry
Drilled out cement and bailed dry
Drilled to 930' TD hole remained dry

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED R. Bailey TITLE Vice-President DATE 9-9-76

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE SEP 30 1976

CONDITIONS OF APPROVAL, IF ANY:

NO. OF COPIES RECEIVED	3	
DISTRIBUTION		
SANTA FE	1	
FILE	1	✓
U.S.G.S.		
LAND OFFICE		
OPERATOR	1	

RECEIVED
NEW MEXICO OIL CONSERVATION COMMISSION
SEP 13 1976
O. C. C.
ARTESIA, OFFICE

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State [X] Fee [ ]

5. State Oil & Gas Lease No.
Salt Mining #M19264

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT —" (FORM C-101) FOR SUCH PROPOSALS.)

OIL WELL [ ] GAS WELL [ ] OTHER- Brine Well

7. Unit Agreement Name

1. Name of Operator
Truckers Water Company, Inc.

8. Farm or Lease Name
City of Carlsbad

2. Address of Operator
P. O. Box 1499, Hobbs, New Mexico 88240

9. Well No.
1

4. Location of Well
UNIT LETTER H , 2420 FEET FROM THE North LINE AND 330 FEET FROM THE East LINE, SECTION 36 TOWNSHIP 22S RANGE 26E NMPM.

10. Field and Pool, or Wildcat
Wildcat

15. Elevation (Show whether DF, RT, GR, etc.)

12. County
Eddy

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK [ ]
TEMPORARILY ABANDON [ ]
PULL OR ALTER CASING [ ]
PLUG AND ABANDON [ ]
CHANGE PLANS [ ]
OTHER [ ]

SUBSEQUENT REPORT OF:

REMEDIAL WORK [ ]
COMMENCE DRILLING OPNS. [ ]
CASING TEST AND CEMENT JOB [X]
ALTERING CASING [ ]
PLUG AND ABANDONMENT [ ]
OTHER [ ]

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Drilled well to 930 feet total depth.
Ran 5 1/2" 14# casing to 710'
Spotted 10# mud in rat-hole from 710' to 930'
cemented casing with 150 sx class "C" cement with 4% Calcium Chloride added
Circulated an extimate of 15 sx.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED [signature] TITLE Vice-President DATE 9-9-76

APPROVED BY [signature] W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE SEP 30 1976

CONDITIONS OF APPROVAL, IF ANY:

SANTA FE	1	
FILE	1	✓
U.S.G.S.		
LAND OFFICE		
TRANSPORTER OIL		
TRANSPORTER GAS		
OPERATOR	1	
PRORATION OFFICE		

NEW MEXICO OIL CONSERVATION COMMISSION

REQUEST FOR ALLOWABLE — AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-116
Effective 1-1-65

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OCT 27 1981

O. C. D.
ARTESIA, OFFICE

Operator
Unichem International, Inc. ✓

Address
P. O. Box 1196, Eunice, New Mexico 88231

Reason(s) for filing (Check proper box)

New Well	☐	Change in Transporter of:	
Recompletion	☐	Oil ☐	Dry Gas ☐
Change in Ownership	☒	Casinghead Gas ☐	Condensate ☐

Other (Please explain)

If change of ownership give name and address of previous owner Truckers Water Company , P. O. Box 1196, Eunice, New Mexico 88231

DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease State, Federal or Fee	Lease No.
City of Carlsbad	1	Wildcat	Salt mining	M19264

Location

Unit Letter H : 2420 Feet From The North Line and 330 Feet From The East

Line of Section 36 Township 22S Range 26E , NMPM, Eddy County

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☐	Address (Give address to which approved copy of this form is to be sent)
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☐	Address (Give address to which approved copy of this form is to be sent)

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When

If this production is commingled with that from any other lease or pool, give commingling order number:

COMPLETION DATA

Designate Type of Completion — (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Resv.	Diff. Resv.

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Perforations			Depth Casing Shoe

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

TEST DATA AND REQUEST FOR ALLOWABLE (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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 - Bbls.	Gas - MCF

Potential ID-3 Chris Operator 11-6-81

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

CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

(Signature)

Vice-President
(Title)

10-14-81
(Date)

OIL CONSERVATION COMMISSION

APPROVED NOV 03 1981, 19

BY W. A. Gressett

TITLE SUPERVISOR, DISTRICT II

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Submit 5 Copies
Appropriate District Office
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-104
Revised 1-1-89
See Instructions
at Bottom of Page

C/SF
LT
GT
OP

RECEIVED
MAR - 9 1993
O. C. D.
HOBBS, OFFICE

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I.

Operator	Well API No.
Rowland Trucking Co., Inc. ✓	30-015-21842
Address P.O. Box 340 Hobbs, NM 88241	

Reason(s) for Filing *(Check proper box)*

New Well ☐ Recompletion ☐ Change in Operator ☒

Change in Transporter of: Oil ☐ Dry Gas ☐ Casinghead Gas ☐ Condensate ☐

Other *(Please explain)* ☐

If change of operator give name and address of previous operator: Unichem International Inc. P.O. Box 1499 Hobbs, NM 88240

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease State, Federal or Fee	Lease No.
City of Carlsbad	1	Salt	XXXXXXXX	M 19264

Location

Unit Letter H : 2420 Feet From The North Line and 330 Feet From The East Line

Section 36 Township 22 South Range 26 East, NMPM, Eddy County

SE/4 NE/4

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☐	Address *(Give address to which approved copy of this form is to be sent)*
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☐	Address *(Give address to which approved copy of this form is to be sent)*

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When ?

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Elevations *(DF, RKB, RT, GR, etc.)*	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Perforations			Depth Casing Shoe

TUBING, CASING AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL *(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)*

Date First New Oil Run To Tank	Date of Test	Producing Method *(Flow, pump, gas lift, etc.)*	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas- MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method *(pitot, back pr.)*	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

X [signature]

Signature

BOB CALHOON — 3/17/93

Printed Name — Title

PRESIDENT — 505-397-0199

Date — Telephone No.

OIL CONSERVATION DIVISION

Date Approved MAY 21 1993

By ORIGINAL SIGNED BY MIKE WILLIAMS SUPERVISOR, DISTRICT II

Title

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
2) All sections of this form must be filled out for allowable on new and recompleted wells.
3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
4) Separate Form C-104 must be filed for each pool in multiply completed wells.

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe. NM 87505

Form C-104
Revised March 25, 1999
Instructions on back
Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] Operator name and Address	[2] OGRID Number
YALE E. KEY, INC. dba KEY ENERGY SERVICES, PERMIAN BASIN DIVISION P.O. Box 2040, HObbs NM 88241	19797
	[3] Reason for Filing Code: CH 6-01-99 - Name Change

[4] API Number	[5] Pool Name	[6] Pool Code
30-0 21842	Wildcat - Brine Supply Well	96347

[7] Property Code	[8] Property Name	[9] Well Number
	City of Carlsbad	1

II. [10] Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
H	36	22S	26E		2420	North ~~South~~	330	East	Eddy

[11] Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date
S					

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] POD	[21] O/G	[22] POD ULSTR Location and Description

RECEIVED
OCD - ARTESIA

IV. Produced Water

[23] POD	[24] POD ULSTR Location and Description

V. Well Completion Data

[25] Spud Date	[26] Ready Date	[27] TD	[28] PBTD	[29] Perforations	[30] DHC, MC

[31] Hole Size	[32] Casing & Tubing Size	[33] Depth Set	[34] Sacks Cement
			Posted ID-3 9-24-99 Orig OP

VI. Well Test Data

[35] Date New Oil	[36] Gas Delivery Date	[37] Test Date	[38] Test Length	[39] Tbg. Pressure	[40] Csg. Pressure

[41] Choke Size	[42] Oil	[43] Water	[44] Gas	[45] AOF	[46] Test Method

[47] I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: Ray D. Ramsey
Printed name: RAY D. RAMSEY
Title: DIVISION MANAGER
Date: 8/25/99 Phone: 505-393-9171

OIL CONSERVATION DIVISION

Approved by: ORIGINAL SIGNED BY TIM W. GUM
Title: DISTRICT II SUPERVISOR
Approval Date: 9-23-99

[48] If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature	Printed Name	Title	Date
Mary Hughes	ROWLAND TRUCKING CO., INC. BY: MARY HUGHES, SECRETARY/TREASURER		8/25/99

ew Mexico Oil Conservation Division
C-104 Instructions

IF THIS IS AN AMENDED REPORT, CHECK THE BOX LABLED "AMENDED REPORT" AT THE TOP OF THIS DOCUMENT

Report all gas volumes at 15.025 PSIA at 60°.
Report all oil volumes to the nearest whole barrel.

A request for allowable for a newly drilled or deepened well must be accompanied by a tabulation of the deviation tests conducted in accordance with Rule 111.

All sections of this form must be filled out for allowable requests on new and recompleted wells.

Fill out only sections I, II, III, IV, and the operator certifications for changes of operator, property name, well number, transporter, or other such changes.

A separate C-104 must be filed for each pool in a multiple completion.

Improperly filled out or incomplete forms may be returned to operators unapproved.

1. Operator's name and address

2. Operator's OGRID number. If you do not have one it will be assigned and filled in by the District office.

3. Reason for filing code from the following table:
   - NW New Well
   - RC Recompletion
   - CH Change of Operator
   - AO Add oil/condensate transporter
   - CO Change oil/condensate transporter
   - AG Add gas transporter
   - CG Change gas transporter
   - RT Request for test allowable (Include volume requested)

   If for any other reason write that reason in this box.

4. The API number of this well

5. The name of the pool for this completion

6. The pool code for this pool

7. The property code for this completion

8. The property name (well name) for this completion

9. The well number for this completion

10. The surface location of this completion NOTE: If the United States government survey designates a Lot Number for this location use that number in the 'UL or lot no.' box. Otherwise use the OCD unit letter.

11. The bottom hole location of this completion

12. Lease code from the following table:
   - F Federal
   - S State
   - P Fee
   - J Jicarilla
   - N Navajo
   - U Ute Mountain Ute
   - I Other Indian Tribe

13. The producing method code from the following table:
   - F Flowing
   - P Pumping or other artificial lift

14. MO/DA/YR that this completion was first connected to a gas transporter

15. The permit number from the District approved C-129 for this completion

16. MO/DA/YR of the C-129 approval for this completion

17. MO/DA/YR of the expiration of C-129 approval for this completion

18. The gas or oil transporter's OGRID number

19. Name and address of the transporter of the product

20. The number assigned to the POD from which this product will be transported by this transporter. If this is a new well or recompletion and this POD has no number the district office will assign a number and write it here.

21. Product code from the following table:
   - O Oil
   - G Gas

22. The ULSTR location of this POD if it is different from the well completion location and a short description of the POD (Example: "Battery A", "Jones CPD",etc.)

23. The POD number of the storage from which water is moved from this property. If this is a new well or recompletion and this POD has no number the district office will assign a number and write it here.

24. The ULSTR location of this POD if it is different from the well completion location and a short description of the POD (Example: "Battery A Water Tank", "Jones CPD Water Tank",etc.)

25. MO/DA/YR drilling commenced

26. MO/DA/YR this completion was ready to produce

27. Total vertical depth of the well

28. Plugback vertical depth

29. Top and bottom perforation in this completion or casing shoe and TD if openhole

30. Write in 'DHC' if this completion is downhole commingled with another completion or 'MC' if there is more than one non-commingled completion in this well bore. Attach actual completed well bore diagram.

31. Inside diameter of the well bore

32. Outside diameter of the casing and tubing

33. Depth of casing and tubing. If a casing liner show top and bottom.

34. Number of sacks of cement used per casing string

The following test data is for an oil well it must be from a test conducted only after the total volume of load oil is recovered.

35. MO/DA/YR that new oil was first produced

36. MO/DA/YR that gas was first produced into a pipeline

37. MO/DA/YR that the following test was completed

38. Length in hours of the test

39. Flowing tubing pressure - oil wells
    Shut-in tubing pressure - gas wells

40. Flowing casing pressure - oil wells
    Shut-in casing pressure - gas wells

41. Diameter of the choke used in the test

42. Barrels of oil produced during the test

43. Barrels of water produced during the test

44. MCF of gas produced during the test

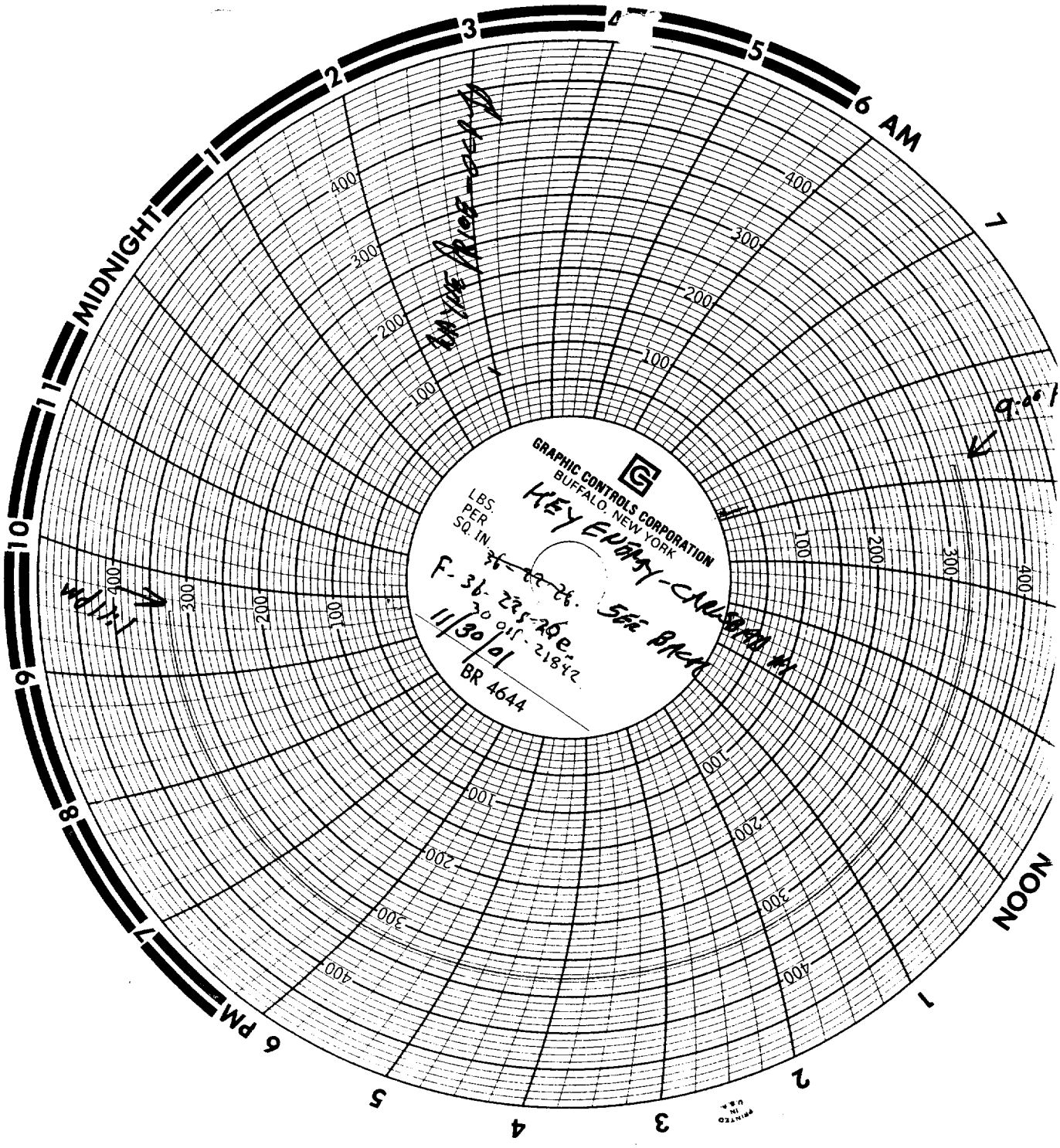
45. Gas well calculated absolute open flow in MCF/D

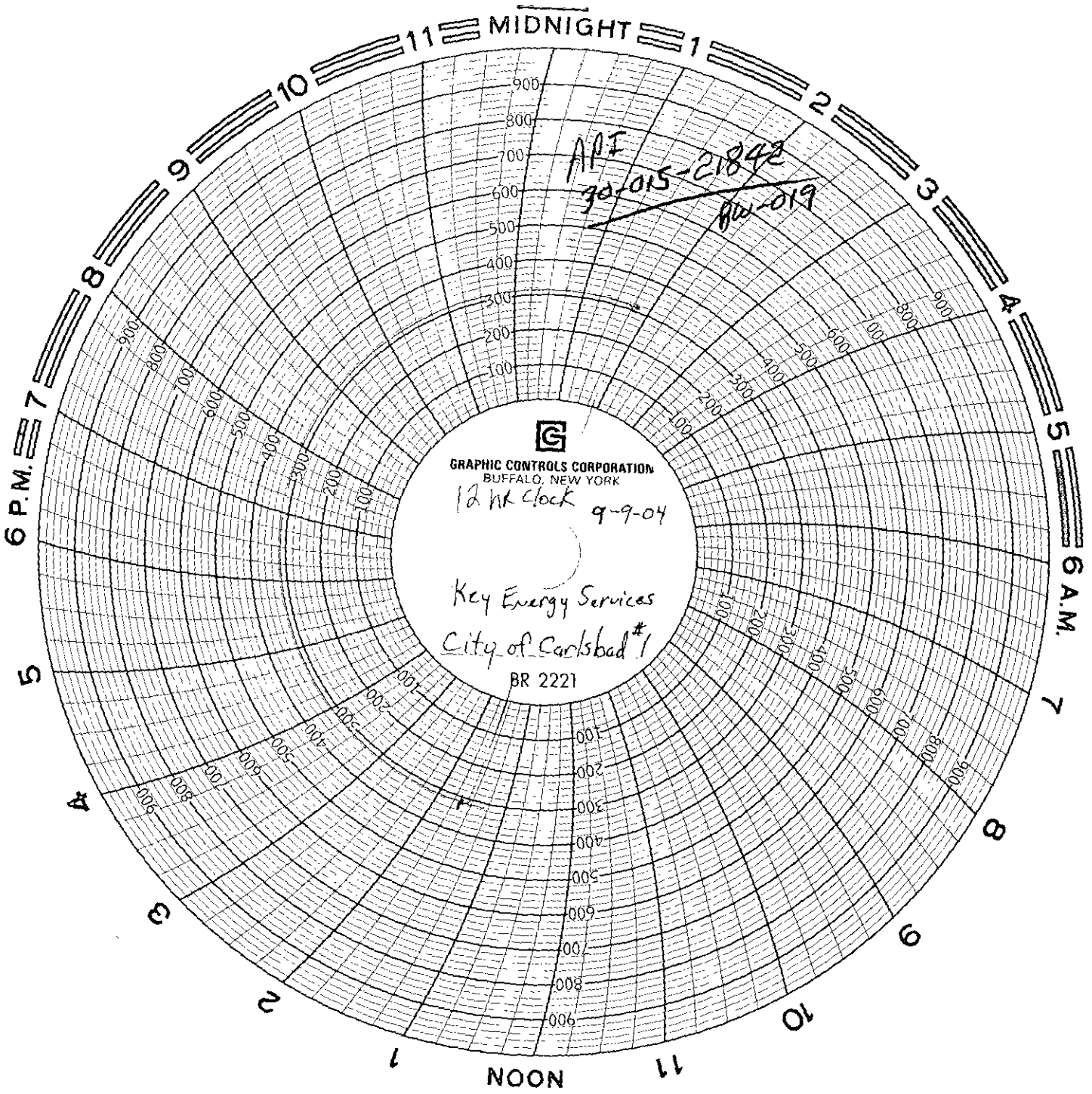
46. The method used to test the well:
   - F Flowing
   - P Pumping
   - S Swabbing

   If other method please write it in.

47. The signature, printed name, and title of the person authorized to make this report, the date this report was signed, and the telephone number to call for questions about this report

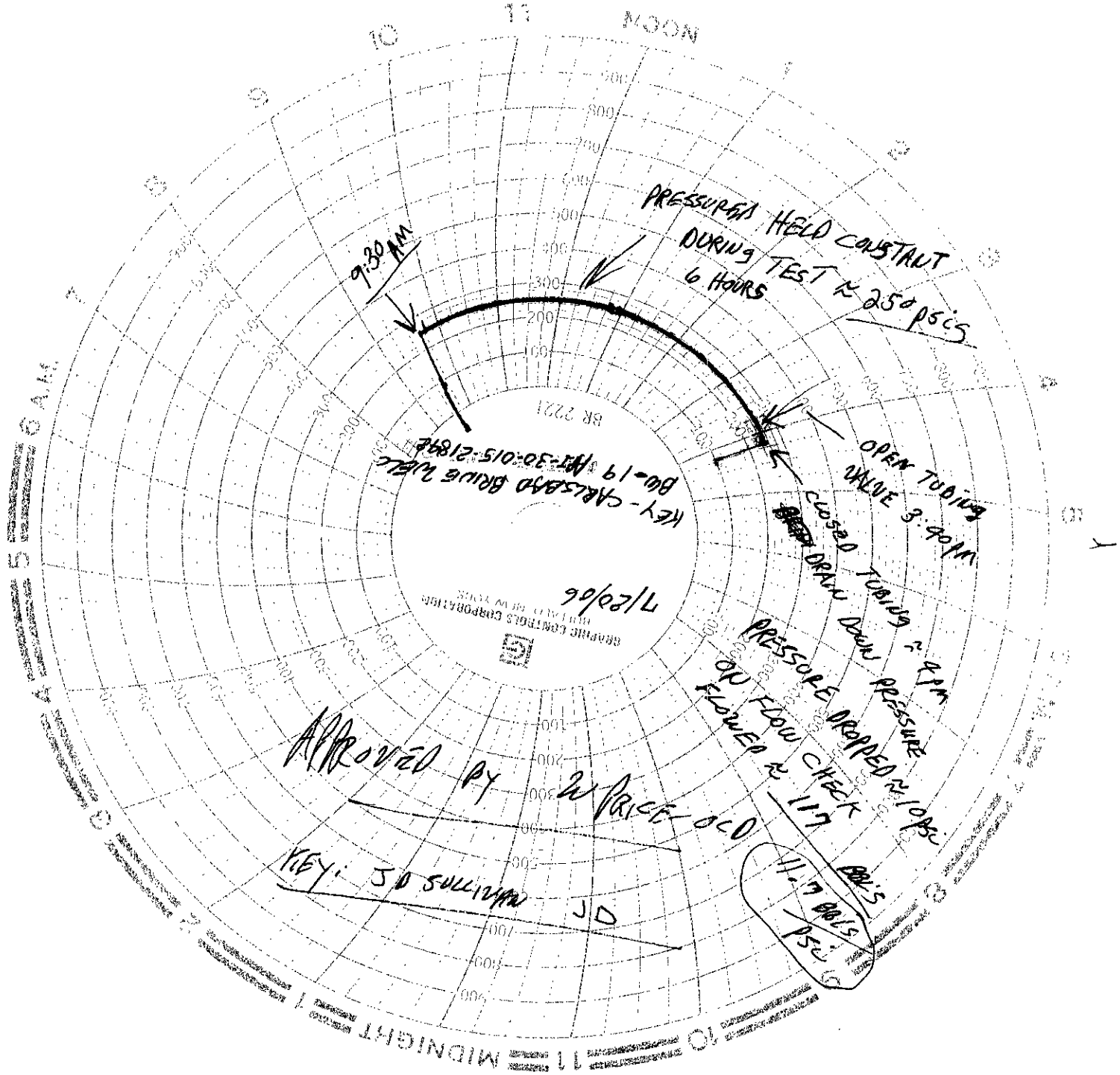
48. The previous operator's name, the signature, printed name, and title of the previous operator's representative authorized to verify that the previous operator no longer operates this completion, and the date this report was signed by that person


MIDNIGHT
6 AM
NOON
6 PM
GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK
LBS. PER SQ. IN.
KEY ENERGY - CALIFORNIA
F-36-22S-26E
30 015 21842
11/30/01
BR 4644
PRINTED IN U.S.A.



KEY ENERGY SERVICE
TEST CAVERN 9/9/04
MEDIA: WATER
CITY OF CARLSBAD #1
2420' FNL & 300' FEL
SEC36 T225 R26E
EDDY CO. NEW MEXICO
TIME START: 1:15 Pm
TIME FINISH: 6:45 Pm

Yard Manager


MOON
9:30 AM
PRESSURES HELD CONSTANT
DURING TEST ≈ 250 psig
6 HOURS
OPEN TUBING
VALVE 3:40 PM
CLOSED TUBING
DRAW DOWN PRESSURE
PRESSURE DROPPED ≈ 10 psi
ON FLOW CHECK
FLOWED ≈ 117
11.7 BBLS
PSIG
KEY - CARLSBAD BLUE WELL
Bu-19 API-30-015-21894
7/20/66
APPROVED BY
W PRICE-OCD
KEY: JD SULLIVAN
JD
BR 2221
GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK
MIDNIGHT
A.M.
P.M.

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-
Permit 47021

Change of Operator Name

OGRID: 19797
Effective Date: 2/20/2007

Previous Operator Name and Information

Name: YALE E KEY, INC
Address: ~~PO BOX 2090~~ changed on-line
Address: ~~2625 W MARLAND~~ " "
City, State, Zip: ~~HOBBS, NM 88241~~ " "

New Operator Name and Information

Name: KEY ENERGY SERVICES, LLC
Address: P.O. Box 99
Address: 2105 Avenue O
City, State, Zip: Eunice, NM 88231

I hereby certify that the rules of the Oil Conservation Division have been complied with and t the information given on this form and the certified list of wells is true to the best of my knowledge and belief.

Signature: Bob Patterson

Printed Name: Bob Patterson

Title: Area Manager

Date: 2-20-7 Phone: 505 394 3195

NMOCD Approval
Date: February 20, 2007

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Mark E. Fesmire, P.E.
Director
Oil Conservation Division

August 14, 2007

Mr. Dan Gibson
Key Energy Services, LLC
6 Desta Drive, Suite 4400
Midland, Texas 79705

AUG 17 2007
OCD-ARTESIA

Re: Key Energy Services, LLC, Brine Well Discharge Plan (BW-019)
City of Carlsbad Well #1 (API# 30-015-21842)
UL:H 36-22S-36E, Eddy County

Dear Mr. Gibson:

The New Mexico Oil Conservation Division (OCD), Environmental Bureau (EB) has confirmed that your discharge plan is currently expired and without a permit. This is a violation of your discharge plan permit and is subject to penalties under 20.6.2 NMAC.

Therefore, the EB hereby requests that you submit a discharge plan renewal application with $100.00 filing fee (check made payable to the "Water Quality Management Fund") by September 17, 2007. Along with your application, you will need to address the attached 20.6.2.3108 NMAC Public Notice provisions for administrative completeness.

In addition, the OCD is upgrading the minimum bond amount to $50,000.00 for Class I and III Wells effective January 1, 2008. Our current bond record for your brine well indicates that it satisfies the $50,000.00 bond amount. Our bond record for your well currently indicates the following:

Bond: RLB0003249; $50000.00; 6/01/01; RLI Insurance Company

Please contact me at (505-476-3491) or E-mail carlj.chavez@state.nm.us if you have questions. Thank you.

Sincerely,

Carl J. Chavez

Mr. Carl J. Chavez
UIC Quality Assurance/Quality Control Officer

xc: OCD District Office

Submit 3 Copies To Appropriate District Office
District I
1625 N French Dr , Hobbs, NM 88240
District II
1301 W Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd , Aztec, NM 87410
District IV
1220 S St. Francis Dr., Santa Fe, NM 87505

ACCEPTED FOR RECORD
FEB 15 2008
Gerry Guye, Deputy Field Inspector
NMOCD District II ARTESIA

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
May 27, 2004

WELL API NO. **30-015-21842**

5. Indicate Type of Lease STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

S

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS)

7. Lease Name or Unit Agreement Name: **City of Carlsbad**

1. Type of Well: Oil Well ☐ Gas Well ☐ Other **Brine**

8. Well Number: **1**

FEB 08 2008
OCD-ARTESIA

2. Name of Operator: **Key Energy Services, LLC**

9. OGRID Number

3. Address of Operator: **6 Desta Drive, Suite 4400, Midland, Texas 79705**

10. Pool name or Wildcat: **Brine Mining Well**

4. Well Location
Unit Letter **H**, **2420** feet from the **North** line and **330** feet from the **East** line
Section **36** Township **22S** Range **26E** NMPM **Lea** County

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*

Pit or Below-grade Tank Application ☐ or Closure ☐ **Not applicable**

Pit type_____ Depth to Groundwater_____ Distance from nearest fresh water well_____ Distance from nearest surface water_____

Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

ACCEPTED FOR RECORD
FEB 15 2008
Gerry Guye Deputy Field Inspector
NMOCD-District II ARTESIA

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☒	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
OTHER: ☐		OTHER: ☐	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

See Attached wellbore diagram for details.
Key Energy plans to plug and abandon this well. The well is a brine well under Permit# M19264. Key Energy will drill a new brine well nearby into the same salt section at a future date. The salt section is from 710 to 930'.
In early 2008, four separate attempts to squeeze a casing leak between 95-105' were performed. The last attempt pumped 59 bbls of cement at an AIR of 0.8 bpm, AIP 1250 psi. After drilling out cement a pressure test of 300 psi bled back to 200 psi in 5 minutes. A subsequent temperature survey showed the squeeze cement to be positioned outside casing from 70-160 feet.
Proposed P&A procedure:
Set cement retainer at 600' (whipstock top at 628')
Pump 100 sx of Class C cement below retainer. Tkg
POOH to 100 feet, place cement plug from 100-600 feet. WOC. Tag top of cement plug.
Pump cement to fill casing to surface. Repeat, if necessary, until TOC remains at surface.
Cut off casing stubs, place P&A marker.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. **I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.**

SIGNATURE _____ TITLE **Agent for Key Energy** DATE **2-7-2008**

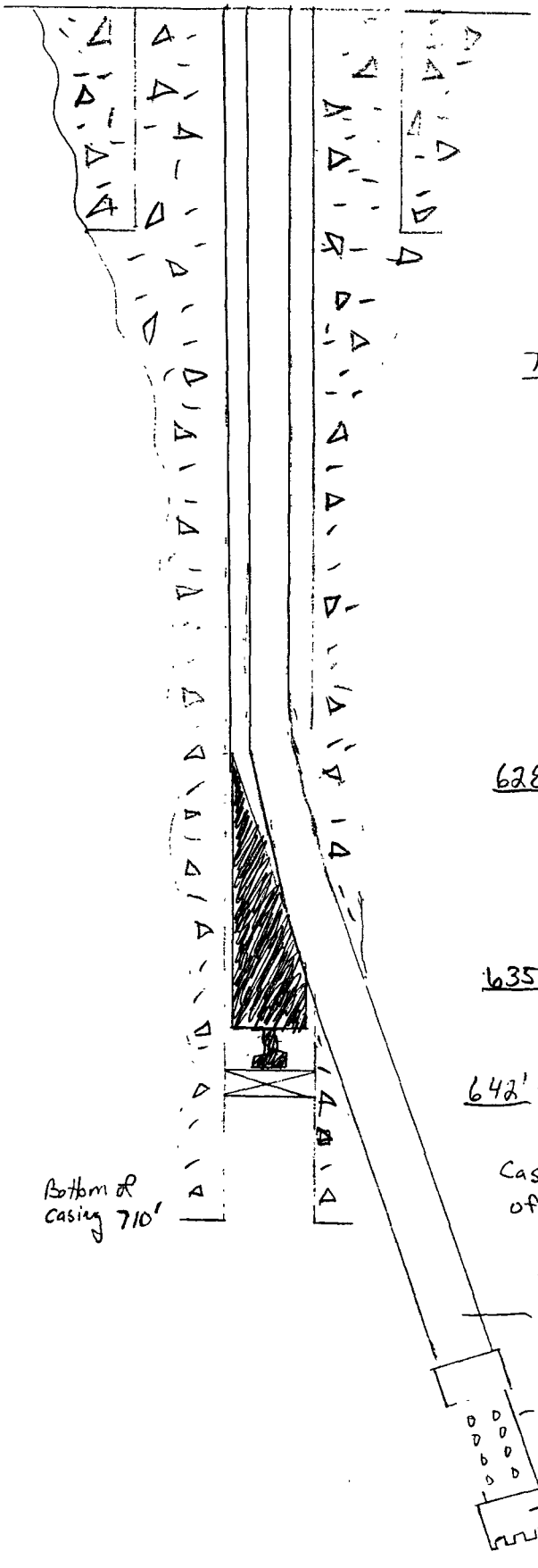
Type or print name E-mail address: Telephone No.

For State Use Only ORIGINAL → COPY TO WAYNE PRICE

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

City of Carlsbad #1
Trucker's Drive
Current Wellbore Status
4-25-03



350' - 8 5/8" [illegible] Csg
Cemented w/ [illegible]
Circulated to surface
27' csg joints

710' - 5 1/2" 15.5# Csg
Cemented w/ 150 sxs Class "C" + 4% CaCl2
Circulated to surface
32' csg joints

628' - Top of whipstock

635' - Bottom of whipstock.

642' - Bridge plug set

Casing at 692' down to bottom of csg at 710' is bad

Bottom of casing 710'

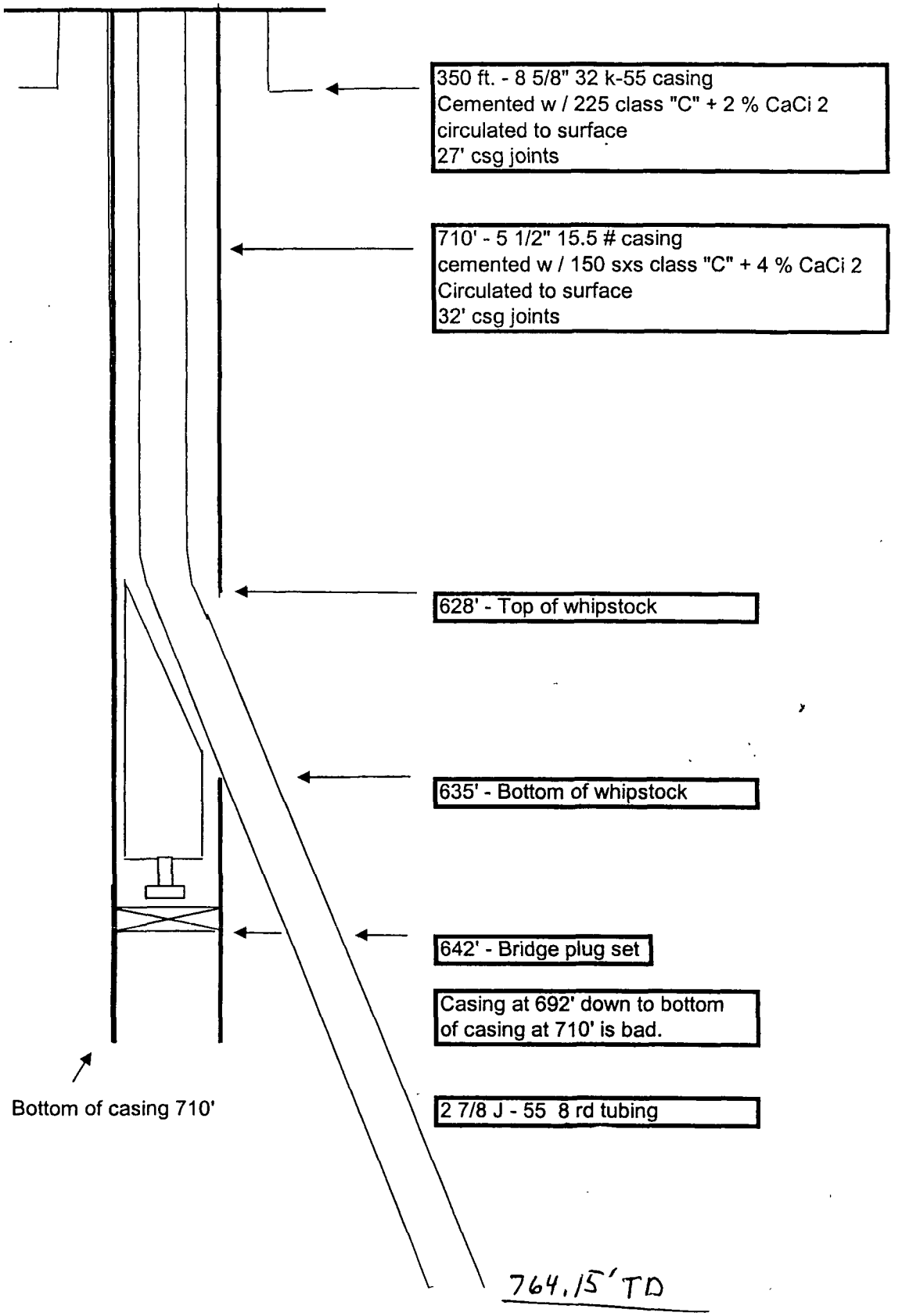
2 7/8 J-55 8rd tubing

8' Perforated sub

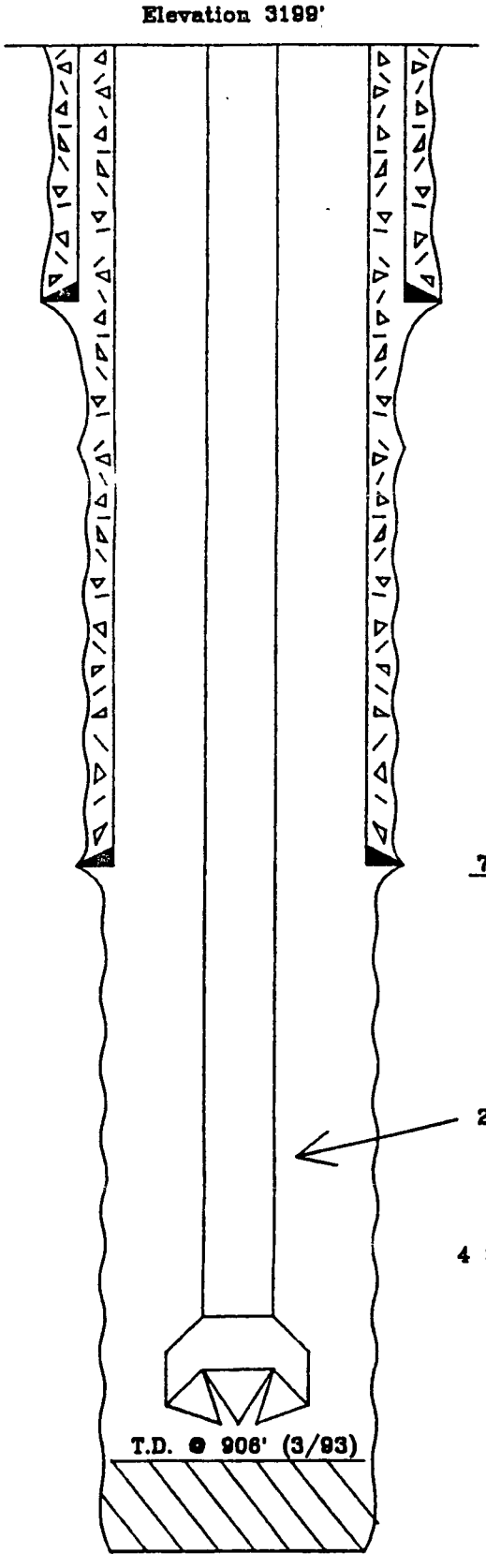
Slotted collar

764.15' TD

Key Energy Services
City of Carlsbad well #1
2420' FNL & 330' FEL
S 36 T 22S R 26E ULH
Eddy Co. New Mexico


350 ft. - 8 5/8" 32 k-55 casing
Cemented w / 225 class "C" + 2 % CaCi 2
circulated to surface
27' csg joints
710' - 5 1/2" 15.5 # casing
cemented w / 150 sxs class "C" + 4 % CaCi 2
Circulated to surface
32' csg joints
628' - Top of whipstock
635' - Bottom of whipstock
642' - Bridge plug set
Casing at 692' down to bottom
of casing at 710' is bad.
2 7/8 J - 55 8 rd tubing
Bottom of casing 710'
764.15' TD

Current Wellbore Status
3/25/93



350' – 8 5/8", 32#, K–55 Casing
Cemented w/225 sxs Class "C" + 2% CaCl2
Circulated cement to surface

710' – 5 1/2", 15.5#, Casing
Cemented w/150 sxs Class "C" + 4% CaCl2
Circulated 15 sxs to surface

2 7/8", 6.5#, 8rd tubing @ 886'
with 4 3/4" bit welded on bottom collar

4 3/4" Hole

Original T.D. @ 930'

ROWLAND TRUCKING, INC.
City of Carlsbad Well No. 1
2420' FNL & 330' FEL
Section 36, T–22S, R–26E
Eddy County, New Mexico

Guye, Gerry, EMNRD

From: Guye, Gerry, EMNRD
Sent: Wednesday, February 13, 2008 1:36 PM
To: Price, Wayne, EMNRD
Subject: Key - City of Carlsbad #1

Tracking:

Recipient	Read
Price, Wayne, EMNRD	Read: 2/14/2008 11:37 AM

Wayne
Have you seen the C-103 (Notice of Intent to Plug/Abandon) for this well?
The copy I got was marked "Original - copy to Wayne Price".\
Did you want us to approve this request, if so I have some issues with it.
Please let me know.

Gerry Guye
Compliance Officer
NMOCD - Artesia
Office (505)748-1283x105
Mobile (505)626-0843
E-Mail: gerry.guye@state.nm.us

Chavez, Carl J, EMNRD

From: Chavez, Carl J, EMNRD
Sent: Tuesday, February 19, 2008 8:36 AM
To: 'Patterson, Bob'
Cc: Price, Wayne, EMNRD; Gum, Tim, EMNRD
Subject: Key Energy Services, LLC. BW-19 C-103 PA Approval
Attachments: BW-19 PA Approval 2-19-08.tif

Bob:

Please find attached OCD approval from Mr. Wayne Price (Environmental Bureau Chief) dated 2/19/2008 on Key Energy Services, LLC (Key) C-103 for Brine Well 19 (API# 30-015-21842). Please submit the final report within 30 days of completion of field work.

Also, Key will need to submit an APD to OCD Santa Fe with a copy to the OCD Artesia District Office for the new UIC Class III replacement brine well. We will need a bond in place for the new well. Perhaps a Rider to the existing $50K bond with the new API# and well name, etc. would work. Key will need an API# for the new bond or bond rider. Thank you.

Carl J. Chavez, CHMM
New Mexico Energy, Minerals & Natural Resources Dept.
Oil Conservation Division, Environmental Bureau
1220 South St. Francis Dr., Santa Fe, New Mexico 87505
Office: (505) 476-3491
Fax: (505) 476-3462
E-mail: CarlJ.Chavez@state.nm.us
Website: http://www.emnrd.state.nm.us/ocd/index.htm
(Pollution Prevention Guidance is under "Publications")

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., 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 and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

BW-19

Form C-103
May 27, 2004

WELL API NO.
30-015-21842

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name
City of Carlsbad

1. Type of Well: Oil Well ☐ Gas Well ☐ Other **Brine**

8. Well Number
1

2. Name of Operator
Key Energy Services, LLC

9. OGRID Number

3. Address of Operator
6 Desta Drive, Suite 4400, Midland, Texas 79705

10. Pool name or Wildcat
Brine Mining Well

4. Well Location
Unit Letter **H**, **2420** feet from the **North** line and **330** feet from the **East** line
Section **36** Township **22S** Range **26E** NMPM **Lea** County

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*

Pit or Below-grade Tank Application ☐ or Closure ☐ **Not applicable**

Pit type_____ Depth to Groundwater_____ Distance from nearest fresh water well_____ Distance from nearest surface water_____

Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

12. 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.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
OTHER:	☐			OTHER:	☐		

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

See Attached wellbore diagram for details.
Key Energy plans to plug and abandon this well. The well is a brine well under Permit# M19264. Key Energy will drill a new brine well nearby into the same salt section at a future date. The salt section is from 710 to 930'.
In early 2008, four separate attempts to squeeze a casing leak between 95-105' were performed. The last attempt pumped 59 bbls of cement at an AIR of 0.8 bpm, AIP 1250 psi. After drilling out cement a pressure test of 300 psi bled back to 200 psi in 5 minutes. A subsequent temperature survey showed the squeeze cement to be positioned outside casing from 70-160 feet.
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Cut off casing stubs, place P&A marker.

RECEIVED
2008 FEB 13 PM 3 39

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE _____ TITLE **Agent for Key Energy** DATE **2-7-2008**

Type or print name E-mail address: Telephone No.

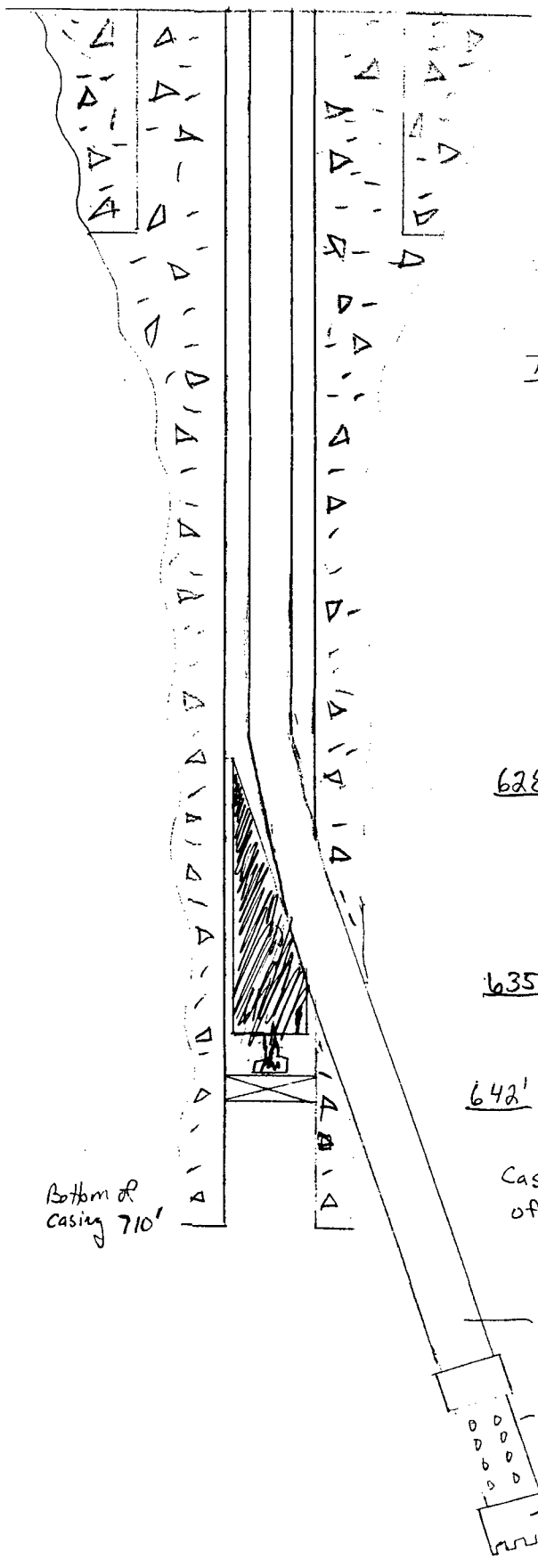
For State Use Only

COPY → ORIG TO ARTESIA DISTRICT

APPROVED BY: _____ TITLE ENVT BUREAU CHIEF DATE 2/19/08

Conditions of Approval (if any):

City of Carlsbad #1
Trucker's Brine Station
Current Wellbore Status
4-25-03



350' - 8 5/8" 32# J-55 Casing
Cemented w/ 150 sxs Class "C" + 4% CaCl2
Circulated to surface
27' csg joints

710' - 5 1/2" 15.5# Csg
Cemented w/ 150 sxs Class "C" + 4% CaCl2
Circulated to surface
32' csg joints

628' - Top of whipstock

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Casing at 692' down to bottom of csg at 710' is bad

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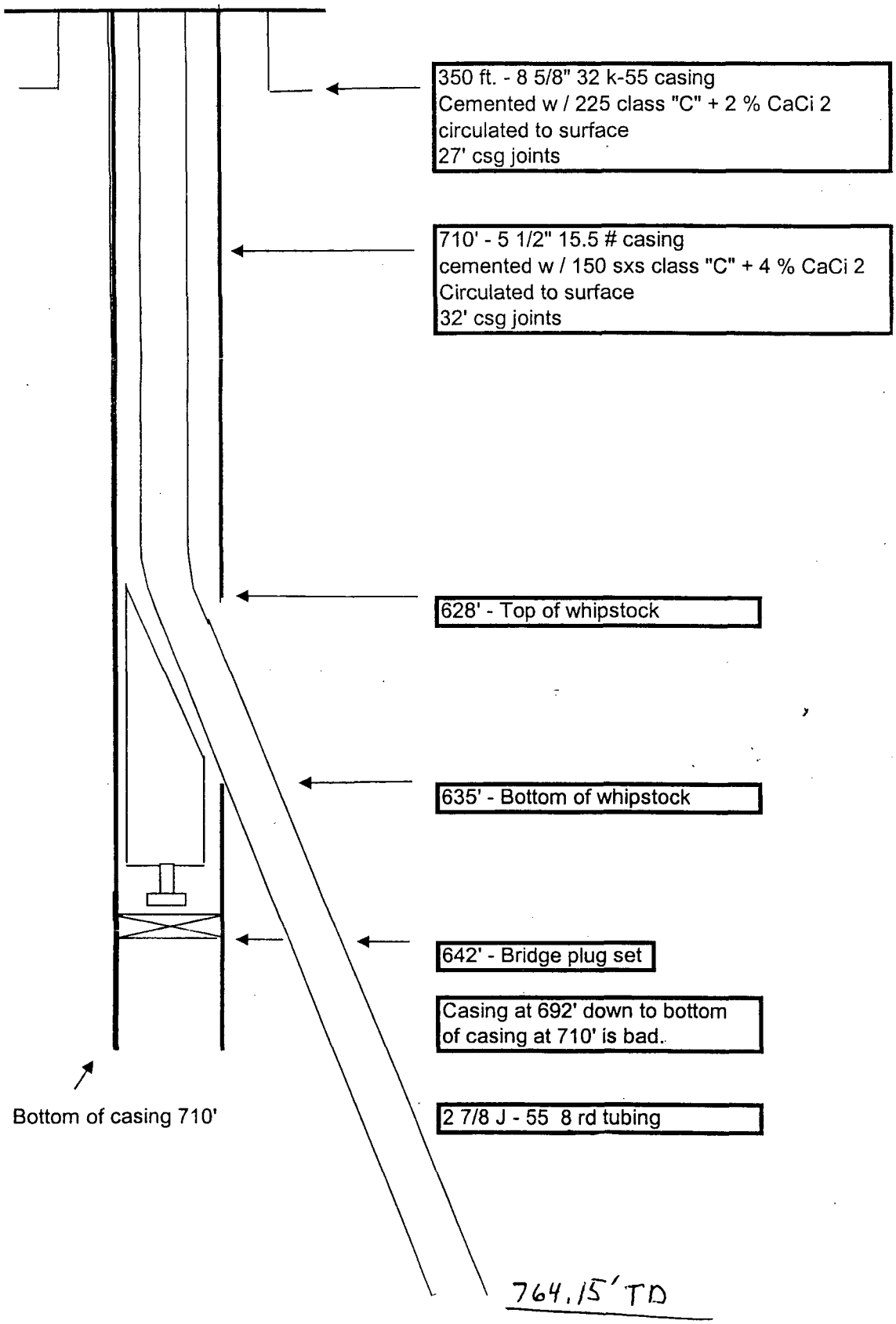
2 7/8 J-55 8rd tubing

8' perforated sub

SLotted collar

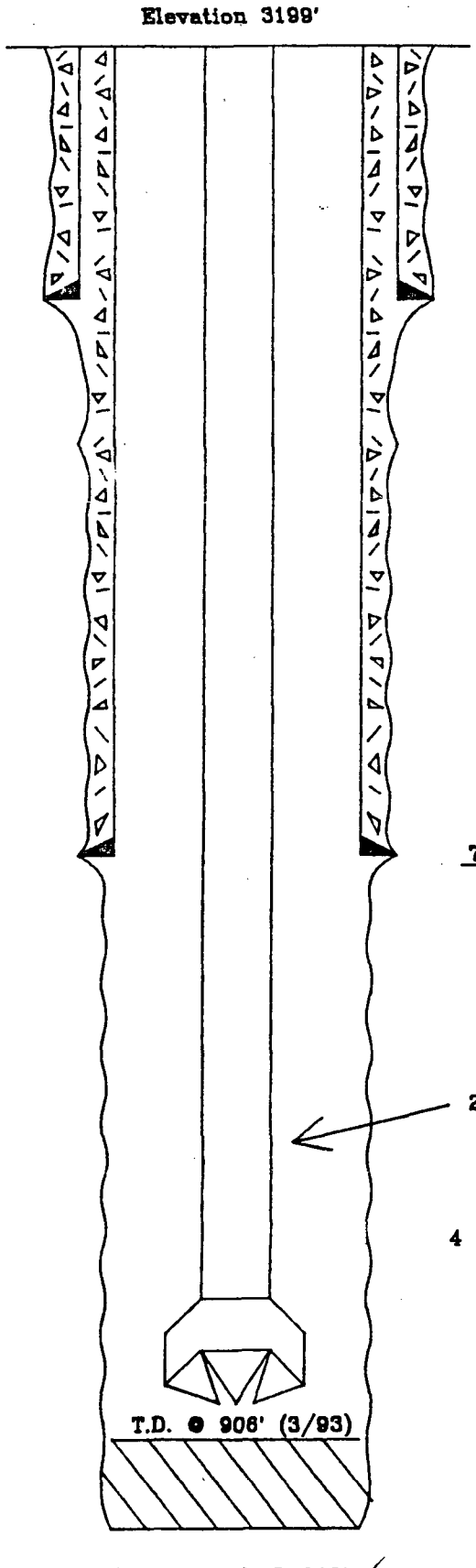
764.15' TD

Key Energy Services
City of Carlsbad well #1
2420' FNL + 330' FEL
S 36 T 22S R 26E ULH
Eddy Co. New Mexico


350 ft. - 8 5/8" 32 k-55 casing
Cemented w / 225 class "C" + 2 % CaCi 2
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Current Wellbore Status

3/25/93



350' – 8 5/8", 32#, K-55 Casing
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4 3/4" Hole

Original T.D. @ 930'

ROWLAND TRUCKING, INC.
City of Carlsbad Well No. 1
2420' FNL & 330' FEL
Section 36, T-22S, R-26E
Eddy County, New Mexico

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., 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 and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
May 27, 2004

WELL API NO.
30-015-21842

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name
City of Carlsbad

1. Type of Well: Oil Well ☐ Gas Well ☒ Other Brine

8. Well Number 1

2. Name of Operator
Key Energy Services LLC

NOV - 1 2008

9. OGRID Number

3. Address of Operator
6 Desta Drive, Ste 4400, Midland, Texas 79705

OCD-ARTESIA

10. Pool name or Wildcat
Brine Mining Well

4. Well Location
Unit Letter H : 2420 feet from the North line and 330 feet from the East line
Section 36 Township 22S Range 26E NMPM Lea County

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type Steel Depth to Groundwater Distance from nearest fresh water well Distance from nearest surface water

Pit Liner Thickness: mil Below-Grade Tank: Volume bbls; Construction Material

12. 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.	☐	P AND A	☒
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
OTHER:	☐			OTHER:			☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

10-20-08 Set CICR @ 600'. Sqz'd 100 sks of C cmt displacing 10' below retainer. WOC.

10-21-08 Sting into retainer & established injection rate @ 2 bpm 500 psi. Called Tim Gum w/ NMOCD & received his OK to re-sqz. Sqz'd 100 sks of cmt displacing 10' below retainer. WOC

10-22-08 Sting into retainer & pressure up on cmt. Pressure test to 680 psi recording test on 30 minute chart. Sting out of retainer. Spot 65 sks of cmt from 600'- surface.

Cut off wellhead and anchors 3' BGL. Installed dry hole marker.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. **I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.**

SIGNATURE _____ TITLE PA Manager Key Energy Services DATE 10-31-08

Type or print name Jack Shelton E-mail address: jshelton@keyenergy.com Telephone No.432-523-5155

For State Use Only Accepted for record NMOCD

APPROVED BY: _____ TITLE _____ DATE 11/3/08

Conditions of Approval (if any):

Approved for plugging of well bore only. Liability under bond is retained pending receipt of C-103 (Subsequent Report of Well Plugging) which may be found at OCD Web Page under Forms, www.emnrd.state.nm.us/ocd.

5-5-72

Gamma Ray | Neutron
5190' - ~~10720~~ 11877
micro-laterlog
~~5198' - 10718'~~
382 - 11876
laterlog
~~5198' - 10715'~~
382 - 11873

IT IS THEREFORE ORDERED: MC-1994 7-12-72

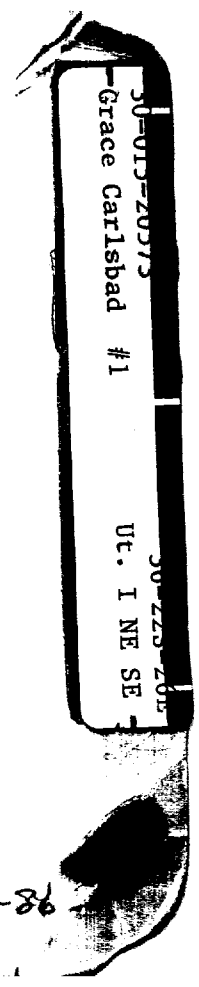
That the applicant herein, Corinne Grace, be and the same is hereby authorized to dually complete the Carlsbad Grace Well No.1 located in Unit I of Section 36, Township 22 South, Range 26 East, NMPM, Eddy County, New Mexico, in such a manner as to produce gas from the South Carlsbad-Strawn Gas Pool and the South Carlsbad-Morrow Gas Pool through parallel strings of tubing.

PROVIDED HOWEVER, That applicant shall complete, operate and produce said well in accordance with the provisions of Rule 112-A.

PROVIDED FURTHER, That applicant shall take packer-leakage tests upon completion and annually therafter during the Shut-In Pressure Test Period for the South Carlsbad-Morrow Gas Pool.

IT IS FURTHER ORDERED: That jurisdiction of this cause is hereby retained for the entry of such further orders as the Commission may deem necessary.

30-015-20578



Surf. Co-mingle Appv. 2-13-86

MC-1994
-12-72

R-8026 Amend. 9-29-85 Horsleth. in Gas Classification Appv.

NEW MEXICO OIL CONSERVATION COMMISSION

WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

Operator	Lease	Well No.
CORINNE GRACE	GRACE-CARLSBAD	1

Unit Letter	Section	Township	Range	County
I	36	22 SOUTH	26 EAST	EDDY

Actual Footage Location of Well:
1980 feet from the SOUTH line and 660 feet from the EAST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3207.8	Morrow	Undes. South Carlsbad	320 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).

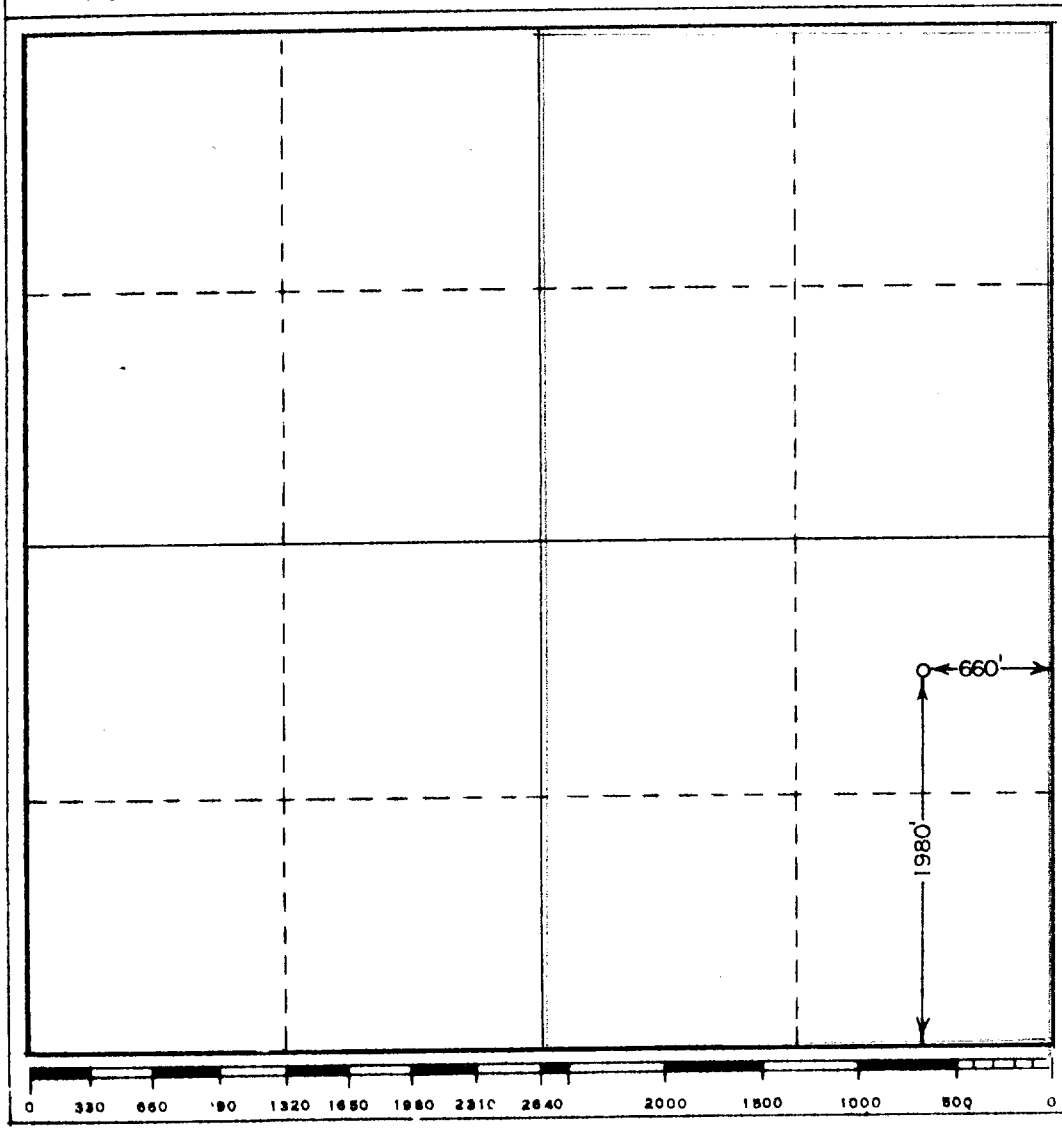
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

RECEIVED
FEB 9, 1972
O. C. C.
ARTESIA, OFFICE



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name: Donna Halles
Position: Agent
Company: Corinne Grace
Date: February 8, 1972

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: FEBRUARY 7, 1972
Registered Professional Engineer and/or Land Surveyor: John W West
Certificate No. 676

WESTERN UNION TELEGRAM

RECEIVED

FEB 9 1972

O. C. C.
ARTESIA, OFFICE

WU ARTESIA

AYA173 SM PD CARLSBAD NMEX FEB 8 320PPMST 1972

NEW MEXICO OIL CONSERVATION GAS COMMISSION

909 WEST DALLAS AVE ARTESIA NMEX

THIS IS TO ADVISE THAT THE CITY OF CARLSBAD HAS NO OBJECTION TO THE GRACE WELL LOCATION EAST HALF SECTION 36 TOWNSHIP 22 SOUTH RANGE 26 EAST 660' FROM EAST LINE 1980' FROM SOUTH LINE THIS WELL WILL NOT INTERFERE WITH AIRPORT OPERATION

WALTER GERRELLS MAYOR CITY OF CARLSBAD

36 22 26 660' 1980'

505PM

NO. OF COPIES RECEIVED	6	
DISTRIBUTION		
SANTA FE	1	
FILE	1	✓
U.S.G.S.	2	
LAND OFFICE	1	
OPERATOR	1	

NEW MEXICO OIL CONSERVATION COMMISSION

RECEIVED
FEB 4 1972
O. C. C.
ARTESIA, OFFICE

30-015-20573

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease: STATE [X] FEE [ ]

5. State Oil & Gas Lease No.: K-6290

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

b. Type of Well: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

OIL WELL [ ] GAS WELL [X] OTHER SINGLE ZONE [X] MULTIPLE ZONE [ ]

7. Unit Agreement Name:

8. Farm or Lease Name: Grace-Carlsbad

2. Name of Operator: Corinne Grace

9. Well No.: 1

3. Address of Operator: c/o Oil Reports & Gas Services, Inc., Box 763, Hobbs, N. M. 88240

10. Field and Pool, or Wildcat: Undes. South Carlsbad

4. Location of Well: UNIT LETTER I LOCATED 1980 FEET FROM THE South LINE AND 660 FEET FROM THE East LINE OF SEC. 36 TWP. 22 S RGE. 26 E NMPM

12. County: Eddy

19. Proposed Depth	19A. Formation	20. Rotary or C.T.
12,100	Morrow	Rotary

21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
3207.8 GR	Blanket	Big West Drilling Co.	Immediately

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17 1/2	13 3/8	48#	350	350	circ
12 1/4	9 5/8	36#	5100	1400	circ
8 3/4	7	23#	11200	325	9150
6" Liner	4 1/2	13.5#	12100	100	11200

Blow out preventor: Triple ram, remote control.

APPROVAL VALID FOR 90 DAYS UNLESS DRILLING COMMENCED,
EXPIRES 5-9-72

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed Dennis Hollis Title Agent Date 2/8/72

(This space for State Use)

APPROVED BY W. A. Gressett TITLE OIL AND GAS INSPECTOR DATE FEB 9 1972

CONDITIONS OF APPROVAL, IF ANY:

Cement must be circulated to surface behind 13 3/8" casing

NO. OF COPIES RECEIVED	3	
DISTRIBUTION		
SANTA FE	/	
FILE	/	
U.S.G.S.		
LAND OFFICE		
OPERATOR	/	

RECEIVED
NEW MEXICO OIL CONSERVATION COMMISSION

FEB 16 1972

O. C. C.
ARTESIA, OFFICE

Form C-103
Supersedes Old C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State [X] Fee [ ]

5. State Oil & Gas Lease No.
K-6290

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT —" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL [ ] GAS WELL [X] OTHER-

7. Unit Agreement Name

2. Name of Operator
Corinne Grace ✓

8. Farm or Lease Name
Grace-Carlsbad

3. Address of Operator
c/o Oil Reports & Gas Services, Inc., Box 763, Hobbs, New Mexico 88240

9. Well No.
1

4. Location of Well
UNIT LETTER I , 1980 FEET FROM THE South LINE AND 660 FEET FROM THE East LINE, SECTION 36 TOWNSHIP 22 S RANGE 26 E NMPM.

10. Field and Pool, or Wildcat
Undes. South Carlsbad

15. Elevation *(Show whether DF, RT, GR, etc.)*
3207.8 GR

12. County
Eddy

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK [ ]	PLUG AND ABANDON [ ]	REMEDIAL WORK [ ]	ALTERING CASING [ ]
TEMPORARILY ABANDON [ ]		COMMENCE DRILLING OPNS. [X]	PLUG AND ABANDONMENT [ ]
PULL OR ALTER CASING [ ]	CHANGE PLANS [ ]	CASING TEST AND CEMENT JOB [X]	
OTHER [ ]		OTHER [ ]	

17. Describe Proposed or Completed Operations *(Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work)* SEE RULE 1103.

Spudded 17" hole 2/11/72. Cemented 13 3/8" 48# J-55 casing at 382' with 400 sacks class "H" cement, 2% calcium chloride with 1/4# flo-seal per sack. Plug down 3:30 AM 2/12/72. Circulated out approximately 25 sacks. WOC 18 hours, tested casing with 500# for 30 minutes, test O.K.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Donna Holder TITLE Agent DATE 2/15/72

APPROVED BY W. A. Gressett TITLE OIL AND GAS INSPECTOR DATE FEB 17 1972

CONDITIONS OF APPROVAL, IF ANY:

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MAR 1 - 1972
O. C. C.
ARTESIA, OFFICE

Form C-103
Supersedes Old C-102 and C-103
Effective 1-1-65

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State [X] Fee [ ]

5. State Oil & Gas Lease No.
K-6290

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT —" (FORM C-101) FOR SUCH PROPOSALS.)

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2. Name of Operator
Corinne Grace

8. Farm or Lease Name
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3. Address of Operator
c/o Oil Reports & Gas Services, Inc., Box 763, Hobbs. N. M. 88240

9. Well No.
1

4. Location of Well
UNIT LETTER I . 1980 FEET FROM THE South LINE AND 660 FEET FROM THE East LINE, SECTION 36 TOWNSHIP 22 S RANGE 26 E NMPM.

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Undes. South Carlsbad

15. Elevation *(Show whether DF, RT, GR, etc.)*
3207.8

12. County
Eddy

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK [ ]	PLUG AND ABANDON [ ]	REMEDIAL WORK [ ]	ALTERING CASING [ ]
TEMPORARILY ABANDON [ ]		COMMENCE DRILLING OPNS. [ ]	PLUG AND ABANDONMENT [ ]
PULL OR ALTER CASING [ ]	CHANGE PLANS [ ]	CASING TEST AND CEMENT JOB [X]	
OTHER [ ]		OTHER [ ]	

17. Describe Proposed or Completed Operations *(Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work)* SEE RULE 1103.

Cemented 9 5/8" J-55 Casing at 5200' (1647' of 40#, remainder 36#) with 1050 sacks lite weight cement and 150 sacks class "C". Plug down 4:30 PM 2/24/72. Top cement by temperature survey 1451'. WOC 24 hours, tested casing with 1000# for 30 minutes test O.K.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Donna Holder TITLE Agent DATE 2/29/72

APPROVED BY W. A. Gressett TITLE OIL AND GAS INSPECTOR DATE MAR 1972

CONDITIONS OF APPROVAL, IF ANY:

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ARTESIA, OFFICE

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old C-102 and C-103
Effective 1-1-65

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT —" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL ☐ GAS WELL ☒ OTHER-

2. Name of Operator
Corinne Grace

3. Address of Operator
c/o Oil Reports & Gas Services, Inc., Box 763, Hobbs, N. M. 88240

4. Location of Well
UNIT LETTER I . 1980 FEET FROM THE South LINE AND 660 FEET FROM THE East LINE, SECTION 36 TOWNSHIP 22S RANGE 26E NMPM.

15. Elevation *(Show whether DF, RT, GR, etc.)*
3207.8

16.

5a. Indicate Type of Lease
State ☒ Fee ☐

5. State Oil & Gas Lease No.
K-6290

7. Unit Agreement Name

8. Farm or Lease Name
Grace-Carlsbad

9. Well No.
1

10. Field and Pool, or Wildcat
Undes. South Carlsbad

12. County
Eddy

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☒	
OTHER ☐		OTHER ☐	

17. Describe Proposed or Completed Operations *(Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work)* SEE RULE 1103.

Cemented 7" casing at 10,727' with 335 sacks class "H", 0.75% CFR-2, 5# salt per sack. Plug down 9:45 AM 3/17/72. Top of cement by Temperature Survey 8606'. WOC 24 hours, tested casing with 1000# for 30 minutes, test O.K.

Casing run as follows:

1201.36'	T-110	26#
3782.87'	S-95	26#
600.44'	S-95	23#
2445.14'	N-80	26#
2697.19'	N-80	23#

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Donna Holder TITLE Agent DATE 3/21/72

APPROVED BY W. A. Gressett TITLE OIL AND GAS INSPECTOR DATE MAR 23 1972

CONDITIONS OF APPROVAL, IF ANY:

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O. C. C.
ARTESIA, OFFICE

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State [X] Fee [ ]

5. State Oil & Gas Lease No.
K-6290

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT —" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL [ ] GAS WELL [X] OTHER-

7. Unit Agreement Name

2. Name of Operator
Corinne Grace

8. Farm or Lease Name
Grace-Carlsbad

3. Address of Operator
c/o Oil Reports & Gas Services, Inc., Box 763, Hobbs, N. M. 88240

9. Well No.
1

4. Location of Well
UNIT LETTER I, 1980 FEET FROM THE South LINE AND 660 FEET FROM THE East LINE, SECTION 36 TOWNSHIP 22 S RANGE 26 E NMPM.

10. Field and Pool, or Wildcat
Undes. South Carlsbad

15. Elevation *(Show whether DF, RT, GR, etc.)*
3207.8 GR

12. County
Eddy

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK [ ]	PLUG AND ABANDON [ ]	REMEDIAL WORK [ ]	ALTERING CASING [ ]
TEMPORARILY ABANDON [ ]		COMMENCE DRILLING OPNS. [ ]	PLUG AND ABANDONMENT [ ]
PULL OR ALTER CASING [ ]	CHANGE PLANS [ ]	CASING TEST AND CEMENT JOB [XX]	
OTHER [ ]		OTHER [ ]	

17. Describe Proposed or Completed Operations *(Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work)* SEE RULE 1103.

Cemented 4 1/2" 11.6# N-80 liner from 10,630 to 11,875 with 200 sacks class "H", .075% CFR-2, 8# salt per sack. Plug down 10:18 AM 4/1/72. WOC 24 hours, pressure tested with 1000# for 30 minutes, test O.K.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Donna Hollis TITLE Agent DATE 4/26/72

APPROVED BY W. A. Gressett TITLE OIL AND GAS INSPECTOR DATE APR 28 1972

CONDITIONS OF APPROVAL, IF ANY:

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NEW MEXICO OIL CONSERVATION COMMISSION

JUL 7 1972

O. C. C.
ARTESIA, OFFICE

Form C-103
Supersedes Old C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State [X] Fee [ ]

5. State Oil & Gas Lease No.
K-6290

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT —" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL [ ] GAS WELL [X] OTHER-

7. Unit Agreement Name

2. Name of Operator
Corinne Grace

8. Farm or Lease Name
Grace-Carlsbad

3. Address of Operator
P. O. Box 1418 Carlsbad, New Mexico

9. Well No.
1

4. Location of Well
UNIT LETTER I, 1980 FEET FROM THE South LINE AND 660 FEET FROM THE East LINE, SECTION 36 TOWNSHIP 22S RANGE 26E NMPM.

10. Field and Pool, or Wildcat
Undes. South Carlsbad

15. Elevation (*Show whether DF, RT, GR, etc.*)
3207.6

12. County
Eddy

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK [ ]	PLUG AND ABANDON [ ]	REMEDIAL WORK [ ]	ALTERING CASING [ ]
TEMPORARILY ABANDON [ ]		COMMENCE DRILLING OPNS. [ ]	PLUG AND ABANDONMENT [ ]
PULL OR ALTER CASING [ ]	CHANGE PLANS [ ]	CASING TEST AND CEMENT JOB [ ]	
OTHER [ ]		OTHER Progress Report [ ]	

17. Describe Proposed or Completed Operations (*Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work*) SEE RULE 1103.

Perforated Morrow as follows:

11486-88 8 shots
11490-96 24 shots
11568-05 21 shots
11507-09 6 shots
11516-22 18 shots
11524-26 6 shots
11511-14 12 shots

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Grant L. Nix TITLE Agent DATE July 1, 1972

APPROVED BY W. A. Gressett TITLE OIL AND GAS INSPECTOR DATE SEP 6 1972

CONDITIONS OF APPROVAL, IF ANY:

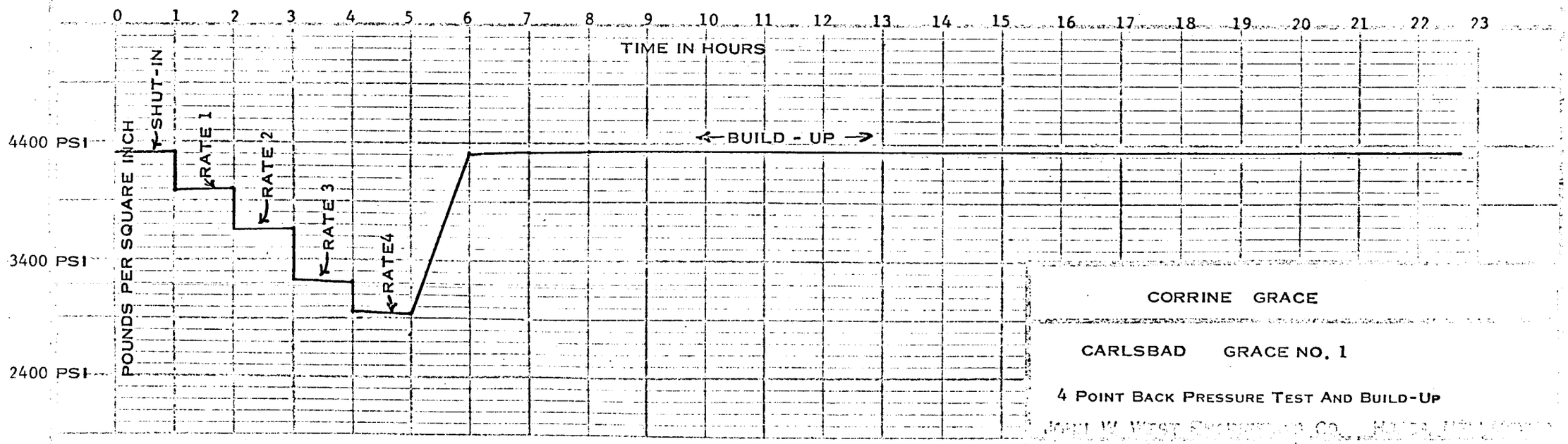
TIME	CUM. HRS./ MIN.		P.S.I. @ 11,506 FEET.
9:15 A.M. 7-7-72	00Hrs.	00 Min.	4319 Gauge Reached 11,506 Feet.
10:15	01	00	Start First Rate
10:30	01	15	3990
11:15	02	00	4004 End First Rate
11:30	02	15	3650
12:15 P.M.	03	00	3654 End Second Rate
12:30	03	15	3230
1:15	04	00	3216 End Third Rate
1:30	04	15	2940
2:15	05	00	2930 End Fourth Rate Shut-In Start Build-Up
3:15	06	00	4309
4:15	07	00	4312
5:15	08	00	4312
8:00 A.M. 7-8-72	22	45	4316 Gauge Out End Test.

Test Date: July 7&8, 1972
Test Depth: 11,506 Feet.

Element No. 7542 - N
Range: 0 - 6950#

Clock No. 10835
Range 0 - 36 Hours.

Test Operator: Don Tyson



CORRINE GRACE

CARLSBAD GRACE NO. 1

4 Point Back Pressure Test And Build-Up

John W. West Engineering Co. Midland, Texas

7-7-72 D.A.T

FORM 2987

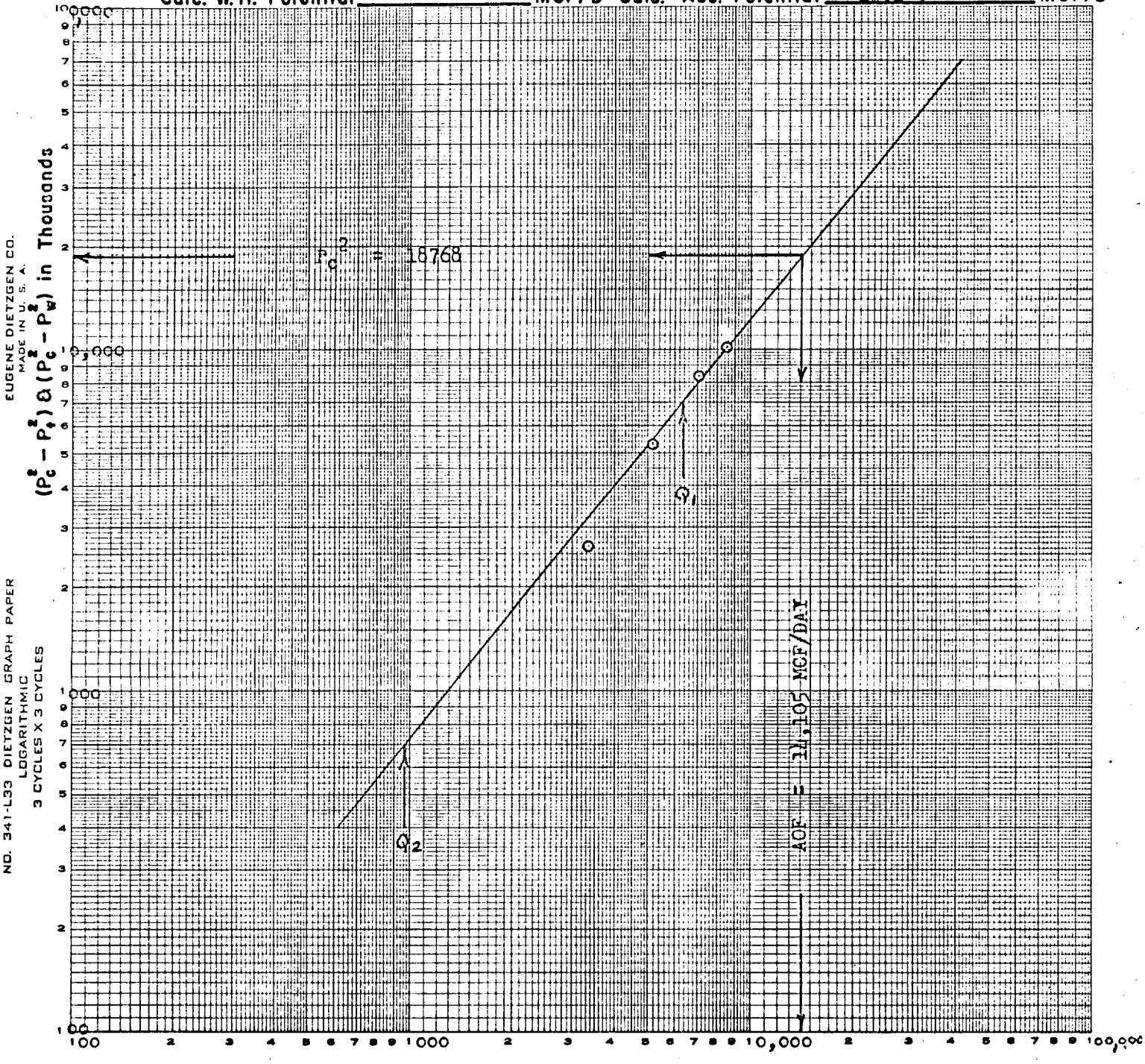
BACK PRESSURE CURVE

Operator CORINNE GRACE Lease CARLSBAD GRACE Well No. 1

County EDDY Field SOUTH CARLSBAD Location 36-22S-26E

Date of Test 7-7-72 Slope "n" _____ W.H. 0.813 Abs.

Calc. W.H. Potential _____ MCF/D Calc. Abs. Potential 14,105 MCF/D



Slope (n) = Q_1 = 6300 = 7.7993405

Q_2 = 970 = 6.9867717

0.8125688

EUGENE DIETZGEN CO. MADE IN U. S. A.

NO. 341-L33 DIETZGEN GRAPH PAPER LOGARITHMIC 3 CYCLES X 3 CYCLES

NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
MAR 22 1973
O. C. C.
ARTESIA, OFFICE

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 7-7-72	
Company: CORINNE GRACE	Connection: NONE			Unit
Pool: SOUTH CARLSBAD	Formation: MORROW			
Completion Date	Total Depth: 11875	Plug Back TD: 11761	Elevation: 3208	Farm or Lease Name: ~~CARLSBAD~~-GRACE-Carlsbad
Csg. Size: 4-1/2"	Wt.: 23 11.50 / 26 10.50	d: 10.052	Set At: 10-235 11875	Perforations: From 11486 To 11526
Well No.: 1				
Tbg. Size: 2-3/8"	Wt.: 4.5	d:	Set At: 11380	Perforations: From To
Unit: I	Sec.: 36	Twp.: 22S	Rge.: 26E	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: GAS GAS DUAL		Packer Set At: 11380	County: EDDY	
Producing Thru: TUBING	Reservoir Temp. °F: 193 @ 11506	Mean Annual Temp. °F: 60	Baro. Press. – P_a: 13.2	State: NEW MEXICO

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
11380	11380	0.582 EST.	1.01 EST.	0.28 EST.	-0- EST.		4"	FLANGE

	FLOW DATA					TUBING DATA		CASING DATA		
NO.	Prover Line Size	X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI						3407.0		CHOKE		
1.	4"	x 2.75"	510.0	7.0	73	3052.0	69	18/64"		1.0
2.	4"	x 2.75"	530.0	16.0	70	2588.0	69	24/64"		1.0
3.	4"	x 2.75"	560.0	28.0	72	2003.0	70	34/64"		1.0
4.	4"	x 2.75"	580.0	40.0	76	1595.0	76	44/64"		1.0
5.										

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	41.10	60.51	523.2	.9877	1.311	1.039	3346
2.	41.10	93.23	543.2	.9905	1.311	1.041	5[illegible]
3.	41.10	126.69	573.2	.9887	1.311	1.043	7039
4.	41.10	154.04	593.2	.9850	1.311	1.043	8527
5.							

NO.	P_t	Temp. °R	T_r	Z
1.	.78	533	1.53	.927
2.	.81	530	1.52	.923
3.	.86	532	1.52	.919
4.	.89	536	1.54	.920
5.				

Gas Liquid Hydrocarbon Ratio: TSTM Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: ____ Deg.
Specific Gravity Separator Gas: ____ XXXXXXXXXX
Specific Gravity Flowing Fluid: XXXXX ____
Critical Pressure: 668 P.S.I.A. ____ P.S.I.A.
Critical Temperature: 349 R ____ R

P_c 4332.2 P_c^2 18768

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		4017.2	16138	2630
2		3667.2	13448	5320
3		3229.2	10428	8340
4		2943.2	8662	10106
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.8571$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.6541$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 14,105$

Absolute Open Flow: 14,105 Mcfd @ 15.025 | Angle of Slope θ: 50.9 | Slope, n: 0.813

Remarks: BHP's measured with Amerada bomb at 11506'.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	D. TYSON	R. WEST	

I hereby certify that I have personal knowledge of the data and facts placed on this form, and that such information given above is true and complete.

John E. Wilsher, Toolpusher
BIG WEST DRILLING COMPANY

Operator Affidavit:

Before me, the undersigned authority, on this day personally appeared Corinne Grace, known to me to be the person whose name is subscribed hereto, who, after being duly sworn, on oath states that he is the Operator of the well identified in this instrument, and that such well was not intentionally deviated from the vertical whatsoever.

Corinne Grace
Signature of Affiant

Owner
Title of Affiant

Sworn and Subscribed to before me, this 5th day of May, 1972.

Notary Public in and for
Eddy County,
New Mexico

RECEIVED
MAY 5 1972
O. C. C.
ARTESIA, OFFICE

Big West Drilling Company

1714 COMMERCE BUILDING
FORT WORTH, TEXAS 76102

May 1, 1972

RECEIVED
MAY 5 1972
O. C. C.
ARTESIA, OFFICE

TO: MICHAEL P. GRACE
CORINNE GRACE
POST OFFICE BOX 1418
CARLSBAD, NEW MEXICO 88220

RE: No. 1 Carlsbad Grace,
Section 36, T-22-S,
R-36-E, Eddy County, New Mexico

EASTMAN DEVIATION RECORD

Date 1972	Depth	Degree of Deviation
2-12	380'	1/2
2-14	1,275'	1 1/4
2-15	1,600'	2 1/4
2-16	2,080'	1 3/4
	2,290'	1 1/4
2-17	2,680'	3/4
2-18	3,050'	3/4
	3,280'	1/2
2-19	3,750'	1/2
2-20	4,205'	3/4
2-21	4,680'	3/4
2-23	5,200'	3/4
2-26	5,315'	3/4
2-27	5,800'	1/2
2-28	6,300'	3/4
3-1	6,800'	1
3-2	7,290'	3/4
3-3	7,775'	3/4
3-4	8,250'	1
	8,390'	3/4
3-6	8,875'	1
3-7	9,350'	1
3-8	9,840'	3/4
3-9	9,970'	1
3-12	10,460'	1 1/4
3-14	10,720'	1
3-21	11,073'	1 1/2
3-26	11,530'	1 3/4
3-31	11,870'	1 1/2

Continued

RECEIVED
MAR 30 1973
O. C. C.
ARTESIA, OFFICE

D.S.T's Carlsbad-Grace #1 Section 36, T22S, R26E., Eddy County, New Mexico

Test #1
Date: 3/10/72
Tested Interval 9910' to 9970'
Tool opened @ 1500 hrs. on 1/2" ck. Gas to surface in 6 min.
Opened 1½ hrs. on 1/2" ck & stab. under 260 psig tubing pressure @ 1780 MCFPD rate. Opened 1½ hrs. on 1/4" ck. & stab. under 585 psig tubing press. @ 850 MCFPD Rate Produced dry gas. Recovered 21 bbls gas-distillate cut drilling mud.
I.S.I.P. 4858
I.F. 483
F.F. 1156
F.S.I.P. 4422

Test #2
Date: 3/12/72
Tested interval: 10,255' - 465'
Tool opened @ 1045 hrs. on 1/2" ck. Gas-to surface in 9 min.
Opened 1½ hrs. on 1/2" ck. & Stab. under 700 psig tubing press. @ 4,382 MCF/Day Rate. Produced Gas & Distillate. Recovered 590' of Distillate & 810' Gas-~~3x3x3~~ Dist. cut drilling mud
I.S.I.P. 4796
I.F. 1153
F.F. 1370
F.S.I.P. 4783

Test #3
Date: 3/22/72
Tested Interval: 10,755' - 11073'
Tool opened for 30 min With weak blow of air. No gas to surface
Tool opened for 60 min. with same. Recovered 210' drilling mud
I.S.I.P. 212
I.F. 89
F.F. 107
F.S.I.P. 297

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FILE	1	✓
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LAND OFFICE	1	
OPERATOR		
Prod. Dept.	1	

Form C-105
Revised 1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED
MAR 22 1973
O. C. C.
ARTESIA, OFFICE

5a. Indicate Type of Lease: State [X] Fee [ ]
5. State Oil & Gas Lease No.: K-6290

1a. TYPE OF WELL
b. TYPE OF COMPLETION: OIL WELL [ ] GAS WELL [X] DRY [ ] OTHER
NEW WELL [X] WORK OVER [ ] DEEPEN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] OTHER

7. Unit Agreement Name:
8. Farm or Lease Name: Grace-Carlsbad
9. Well No.: 1
2. Name of Operator: Corinne Grace
3. Address of Operator: P O Box 1418, Carlsbad, New Mexico
10. Field and Pool, or Wildcat: ~~Undes.~~ South Carlsbad
4. Location of Well: UNIT LETTER I LOCATED 1980 FEET FROM THE South LINE AND 660 FEET FROM THE East LINE OF SEC. 36 TWP. 22S RGE. 26E NMPM
12. County: Eddy

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Cashinghead
2/11/72	4/2/72	5/4/72	3207.8	

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
11,875	11,764 KB	2	→	0-11,875	

24. Producing Interval(s), of this completion — Top, Bottom, Name: Morrow 11,486-11,526
25. Was Directional Survey Made: Yes
26. Type Electric and Other Logs Run: Micro-Laterolog, Laterolog, Gamma Ray Neutron, BHC Acoustilog
27. Was Well Cored: No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8	48#	382	17	400 sks Class "H"	circl.
9 5/8	40# & 36#	5200	12 1/4	1050 sks & 150 sks Cl."C"	
7	26# & 23#	10735	8 3/4	335 Class "H"	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
4 1/2	10,634	11,875	200	

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8	10175	10169
2 3/8	11380	11380

31. Perforation Record (Interval, size and number)
11486-88 (8 shots) 11524-26 (8 shots)
11490-96 (24 shots) 11511-14 (12 shots)
11498-05 (21 shots)
11507-09 (8 shots)
11516-22 (18 shots)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
None	None

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping — Size and type pump)	Well Status (Prod. or Shut-in)
	Flowing	Shut-In

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas — Oil Ratio
7/7/72	4			0	* 8527	0	TSTM

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)
1595.0	Pkr.		* From last	rate 4-point	test	

34. Disposition of Gas (Sold, used for fuel, vented, etc.): To be sold CAOF 14,105
Test Witnessed By:
35. List of Attachments: Logs listed above

36. 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.

SIGNED Juanita L. Jones TITLE Agent DATE March 22, 1973

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission 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 30 through 34 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		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Qtzte
T. Glorieta	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinebry	T. Gr. Wash	T. Morrison	T.
T. Tubb	T. Granite	T. Todilto	T.
T. Drinkard	T. Delaware Sand	T. Entrada	T.
T. Abo	T. Bone Springs	T. Wingate	T.
T. Wolfcamp	T.	T. Chinle	T.
T. Penn.	T.	T. Permian	T.
T Cisco (Bough C)	T.	T. Penn. "A"	T.

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation
0	500	500	Surface Sand & Shale
500	1680	1180	Salt-Anhy.
1680	2050	370	Lime & Sand
2050	4100	2050	Sand
4100	5200	1100	Lime, Sand, Shale
5200	6280	1080	Lime and shale
6280	6800	520	Sand & Shale
6800	7790	990	Lime and shale
7790	8120	330	Sand and shale
8120	9030	910	Lime and shale
9030	9550	520	Shale and Lime
9550	10257	707	Shale Sand & Lime
10257	10850	610	Lime and shale
10850	11050	200	Limestone and shale
11050	11100	50	Shale & Lime
11100	11350	250	Lime and shale
11350	11420	70	Lime and shale
11420	11875	455	Lime and shale

From	To	Thickness in Feet	Formation
			Lamar Lime 1828
			Delaware Sand 1975
			Bone Spring 5340
			1st Bone Spring Sand 6268
			2nd Bone Spring Sand 6803
			3rd Bone Spring Sand 8356
			Wolfcamp 8740
			Cisco-Canyon 9945
			Strawn 10257
			Atoka 10578
			Morrow 11115
			Barnett 11820

OIL CONSERVATION COMMISSION

BOX 1980

HOBBS, NEW MEXICO

RECEIVED

APR 26 1973

O. C. C.
ARTESIA, OFFICE

NOTICE OF GAS CONNECTION

DATE April 23, 1973

This is to notify the Oil Conservation Commission that connection for the purchase of gas from the Corinne Grace (Operator), Grace Carlsbad (Lease), #1 (Morrow) I (Well Unit), 36-22-26 (S.T.R.), Carlsbad Morrow South (Pool), 61-332-01 (Meter Code), 18999 5 (Site Number), El Paso Natural Gas Co. (Name of Purchaser), was made on April 16, 1973.

El Paso Natural Gas Company
Purchaser

Travis R. Elliott
Representative

Travis R. Elliott

Gas Production Status Analyst
Title

TRE: bl
cc: To operator
Oil Conservation Commission - Santa Fe
Oil Conservation Commission - Artesia (2)
Proration
H. P.Logan
T. J. Crutchfield
File

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NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-110
Effective 1-1-65

RECEIVED

APR 12 1973

O. C. C.
ARTESIA, OFFICE

I.

Operator: Corinne Grace

Address: P. O. Box 1418, Carlsbad, New Mexico 88220

Reason(s) for filing (Check proper box)
- New Well [X]
- Recompletion [ ]
- Change in Ownership [ ]

Change in Transporter of:
- Oil [ ]
- Dry Gas [ ]
- Casinghead Gas [ ]
- Condensate [ ]

Other (Please explain)

If change of ownership give name and address of previous owner _____

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Grace-Carlsbad	1	South Carlsbad Morrow Gas	State, Federal or Fee State	K-6290

Location
Unit Letter I : 1980 Feet From The South Line and 660 Feet From The East

Line of Section 36 Township 22S Range 26E , NMPM, Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil [ ] or Condensate [ ]	Address (Give address to which approved copy of this form is to be sent)
Name of Authorized Transporter of Casinghead Gas [ ] or Dry Gas [ ]	Address (Give address to which approved copy of this form is to be sent)
El Paso Natural Gas Company	El Paso Nat'l Gas Bldg., El Paso, Texas

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
					no gas	4-16-73

If this production is commingled with that from any other lease or pool, give commingling order number: _____

IV. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Resv.	Diff. Resv.
		X	X					

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
2/11/72	5/4/72	11,875	11,~~871~~ 740
Elevations (DF, RKB, RT, GR, etc.)	**Name of Producing Formation**	**Top Oil/Gas Pay**	**Tubing Depth**
3207.8	Morrow	11486	11330
Perforations			**Depth Casing Shoe**
11486-88, 11490-96, 11498-05, 11507-09, 11516-22, 11526-26, 11511-14			~~10~~735 11,875

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
17	13 3/8	350	400 sacks "H"
12 1/4	9 5/8	5200	1050 sks & 150 sks "H"
8 3/4	7	10727	335 Class "H"
	4 1/2 2 3/8	11875 11330	200

V. TEST DATA AND REQUEST FOR ALLOWABLE (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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-Bbls.**	**Gas-MCF**

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
7039	4	TSTM	
Testing Method (pitot, back pr.)	**Tubing Pressure (Shut-in)**	**Casing Pressure (Shut-in)**	**Choke Size**
back pr.	3407.0	pkr	variable

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

(Signature)

Agent
(Title)

April 9, 1973
(Date)

OIL CONSERVATION COMMISSION

APPROVED APR 26 1973, 19 _____

BY W. A. Gressett

TITLE OIL AND GAS INSPECTOR

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply

RECEIVED

MAY 2 4 1973

NEW MEXICO
OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO

GAS SUPPLEMENT NO. (NW) (SE) AR-126 DATE 4/26/73

NOTICE OF WELL CONNECTION OR AUTHORITY TO ASSIGN ALLOWABLE

ALL VOLUMES EXPRESSED IN MCF

The operator of the following well has complied with all the requirements of the Oil Conservation Commission and may be assigned an allowable as shown below.

Date of Connection 4/16/73 Date of First Allowable or Allowable Change 4/16/73

Purchaser El Paso Natural Gas Co. Pool South Carlsbad Morrow

Operator Corinne Grace Lease Grace Carlsbad

Well No. 1 Unit Letter I Sec. 36 Twp. 22 Rnge. 26

Dedicated Acreage 320 Revised Acreage ____ Difference ____

Acreage Factor 1.00 Revised Acreage Factor ____ Difference ____

Deliverability ____ Revised Deliverability ____ Difference ____

A x D Factor ____ Revised A x D Factor ____ Difference ____

New Connection

W. A. Gressett DIST. #2

CALCULATION OF SUPPLEMENTAL ALLOWABLE

MONTH	% OF MO.	PREV. ALLOW	REV. ALLOW.	PREV. PROD.	REV. PROD.	REMARKS
JANUARY						
FEBRUARY						
MARCH						
APRIL	.5000		41667			
MAY			217781			
JUNE						
JULY						
AUGUST						
SEPTEMBER						
OCTOBER						
NOVEMBER						
DECEMBER						
TOTALS						
ALLOWABLE PRODUCTION DIFFERENCE - - - - - -						
March SCHEDULE O/U STATUS - - - - - -						
REVISED March O/U STATUS - - - - - -						
EFFECTIVE IN June SCHEDULE - - - - -						
PREVIOUS PERIOD ADJUSTMENTS - - - - - - - -						CURRENT CLASSIFICATION -0- TO N

NOTICE OF SHUT-IN

The following described well has been Shut-in for Failure of Compliance:

Purchaser ____ Pool ____ Date ____

Operator ____ Lease ____

Well No. ____ Unit Letter ____ Sec ____ Twp. ____ Rnge. ____

Effective date of Shut-in ____ Reason for Shut-In ____

A. L. PORTER, Jr., *Director*

By ____

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SANTA FE	1	
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U.S.G.S.		
LAND OFFICE		
TRANSPORTER — OIL	1	
TRANSPORTER — GAS	1	
OPERATOR	1	
PRORATION OFFICE		

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

RECEIVED
MAY 7 1973
O. C. C.
ARTESIA, OFFICE

Form C-104
Supersedes Old C-104 and C-110
Effective 1-1-65

I.

Operator: Corinne Grace

Address: P. O. Box 1418, Carlsbad, New Mexico 88220

Reason(s) for filing *(Check proper box)*
- New Well [ ]
- Recompletion [ ]
- Change in Ownership [ ]
- Change in Transporter of: Oil [ ] Dry Gas [ ] Casinghead Gas [ ] Condensate [X]
- Other *(Please explain)*: Has AP Transporter

If change of ownership give name and address of previous owner _____

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
~~Carlsbad~~-Grace-Carlsbad	1	So. Carlsbad Morrow Gas	State, Federal or Fee State	K-6290

Location
Unit Letter I : 1980 Feet From The South Line and 660 Feet From The East

Line of Section 36 Township 22S, Range 26E, NMPM, Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil [ ] or Condensate [XX]	Address *(Give address to which approved copy of this form is to be sent)*
Navajo Crude Oil Purchasing Co.	P.O. Drawer 175, Artesia, New Mexico 88210
Name of Authorized Transporter of Casinghead Gas [ ] or Dry Gas [ ]	Address *(Give address to which approved copy of this form is to be sent)*
El Paso Nat Gas Co.	El Paso Nat Gas Bldg, El Paso Texas

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	I	36	22S	26E	Yes	4-10-73

If this production is commingled with that from any other lease or pool, give commingling order number: _____

IV. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Elevations *(DF, RKB, RT, GR, etc.)*	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Perforations			Depth Casing Shoe

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

V. TEST DATA AND REQUEST FOR ALLOWABLE

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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-Bbls.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method *(pitot, back pr.)*	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Juanita L. Jones
(Signature)

Agent
(Title)

May 6, 1973
(Date)

OIL CONSERVATION COMMISSION

APPROVED MAY 8 1973, 19____

BY W. A. Gressett

TITLE OIL AND GAS INSPECTOR

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply

RECEIVED

JUL 27 1973

O. C. C.
ARTESIA, OFFICE

NEW MEXICO
OIL CONSERVATION COMMISSION
P. O. BOX 2088
SANTA FE, NEW MEXICO

GAS SUPPLEMENT NO. (NW) (SE) SF-3772 DATE 7-19-73

NOTICE OF WELL CONNECTION OR AUTHORITY TO ASSIGN ALLOWABLE
ALL VOLUMES EXPRESSED IN MCF

The operator of the following well has complied with all the requirements of the Oil Conservation Commission and may be assigned an allowable as shown below.

Date of Connection _____ Date of First Allowable or Allowable Change _____
Purchaser EL PASO NATURAL GAS CO. Pool CARLSBAD MORROW, SOUTH
Operator CORINE GRACE Lease GRACE CARLSBAD
Well No. 1 Unit Letter I Sec. 36 Twp. 22S Rnge. 26E
Dedicated Acreage 320 Revised Acreage _____ Difference _____
Acreage Factor 1.00 Revised Acreage Factor _____ Difference _____
Deliverability _____ Revised Deliverability _____ Difference _____
A x D Factor _____ Revised A x D Factor _____ Difference _____

Charge Redist. DIST. #

CALCULATION OF SUPPLEMENTAL ALLOWABLE

MONTH	% OF MO.	PREV. ALLOW	REV. ALLOW.	PREV. PROD.	REV. PROD.	REMARKS
JANUARY						
FEBRUARY						
MARCH						
APRIL						
MAY						
JUNE						
JULY						
AUGUST						
SEPTEMBER						
OCTOBER						
NOVEMBER						
DECEMBER						
TOTALS						
ALLOWABLE PRODUCTION DIFFERENCE - - - - - -				388,190+		Redist.
May SCHEDULE O/U STATUS - - - - - -				141,739-		
REVISED May O/U STATUS - - - - - -				246,451+		
EFFECTIVE IN August SCHEDULE - - - - -						
PREVIOUS PERIOD ADJUSTMENTS - - - - - - - -						CURRENT CLASSIFICATION N TO

NOTICE OF SHUT-IN

The following described well has been Shut-in for Failure of Compliance:

Purchaser _____ Pool _____ Date _____
Operator _____ Lease _____
Well No. _____ Unit Letter _____ Sec. _____ Twp. _____ Rnge. _____
Effective date of Shut-in _____ Reason for Shut-In _____

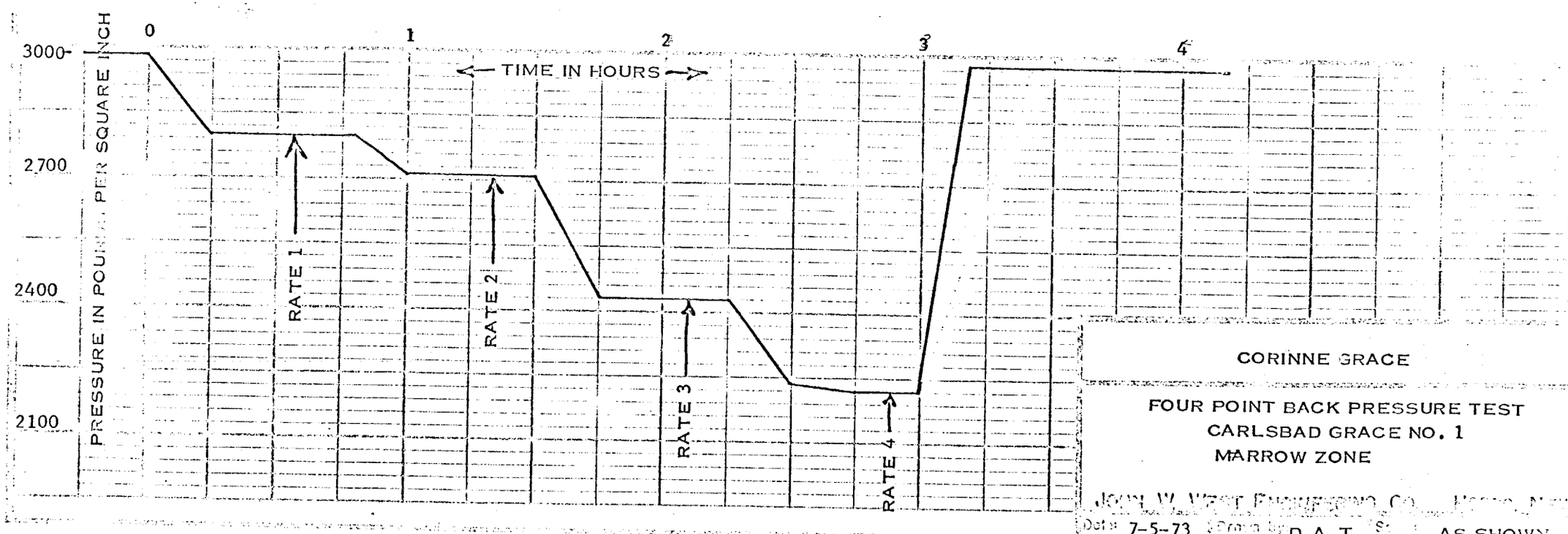
A. L. PORTER, Jr., *Director*

By _____

TEST DATE:	JULY 4,1973
TEST DEPTH:	11,506 FEET.
ELEMENT NO.	8519
RANGE:	0-5500#
CLOCK NO.:	10835
RANGE:	0-72 HRS.
TEST OPERATOR:	DON TYSON

TIME	CUM. HRS./ MIN.	
9:00 A.M.		
9:20	00HRS.	00 MIN.
9:35	00	15
10:05	00	45
10:20	01	00
10:50	01	30
11:05	01	45
11:35	02	15
11:50	02	30
12:20 P.M.	03	00
12:30	03	10
1:30	04	10

P.S.I.G. @ 11,506 FEET	
2983 GUAGE REACHED 11,506'	
2983 CHOKE OPEN START TEST	
2800 RATE 1	CHOKE @ 12/64
2800 END RATE 1	
2716 RATE 2	CHOKE @ 18/64
2710 END RATE 2	
2435 RATE 3	CHOKE @ 24/64
2432 END RATE 3	
2234 RATE 4	CHOKE @ 30/64
2220 END RATE 4	SHUT-IN
2975	
2981 GUAGE OUT END TEST	



CORINNE GRACE

FOUR POINT BACK PRESSURE TEST
CARLSBAD GRACE NO. 1
MARROW ZONE

JOHN W. WEST ENGINEERING CO. HOBBS, N.M.

Date 7-5-73 Drawn by D.A.T. Scale AS SHOWN

50 YEARS

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

1935 - 1985

TONEY ANAYA
GOVERNOR

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NOV 6 1985
O. C. D.
ARTESIA, OFFICE

November 4, 1985

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-5800

Mr. Ernest L. Padilla
Attorney at Law
P. O. Box 2523
Santa Fe, New Mexico 87501

Re: Case No. 8593
Order No. R-8026

Dear Mr. Padilla:

In accordance with the terms of Division Order No. R-8026 the minimum flow rate for the Corinne B. Grace, Grace Carlsbad Well No. 1 is hereby set at 300 MCF per day.

This volume is based upon test data and information submitted in accordance with said order through our Artesia district office. Corinne B. Grace should supply this minimum flow rate to the appropriate taker of gas from the well.

Sincerely,

R. L. STAMETS
Director

RLS/fd

cc: John Nance
Les Clements

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

L CONSERVATION DIVISIO
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

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ARTESIA, OFFICE

5a. Indicate Type of Lease: State [X] Fee [ ]

5. State Oil & Gas Lease No.: K-6290

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT —" (FORM C-101) FOR SUCH PROPOSALS.)

7. Unit Agreement Name:

OIL WELL [ ] GAS WELL [X] OTHER-

Name of Operator: Corinne Grace ✓

8. Farm or Lease Name: Carlsbad Grace

Address of Operator: P. O. BOx 1418, Carlsbad, NM 88220

9. Well No.: 1

Location of Well: UNIT LETTER I, 1980 FEET FROM THE South LINE AND 660 FEET FROM THE East LINE, SECTION 36 TOWNSHIP 22S RANGE 26E NMPM.

10. Field and Pool, or Wildcat: So Carlsbad Morrow

15. Elevation (Show whether DF, RT, GR, etc.): 3207.8 GR

12. County: Eddy

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 [X]	ALTERING CASING [ ]
TEMPORARILY ABANDON [ ]		COMMENCE DRILLING OPNS. [ ]	PLUG AND ABANDONMENT [ ]
PULL OR ALTER CASING [ ]	CHANGE PLANS [ ]	CASING TEST AND CEMENT JOB [ ]	
OTHER [ ]		OTHER [ ]	

17. Describe Proposed or Completed Operations (*Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work*) SEE RULE 1103.

Acidize Morrow Perforations at 11,486-512 with 2000 gals 7½% HCL and 624 SCF N_2 per Barrel Acid, displace to Perfs with Nitrogen.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Billy Miller TITLE Agent DATE 11-5-85

APPROVED BY Original Signed By Les A. Clements TITLE Supervisor District II DATE NOV 15 1985

CONDITIONS OF APPROVAL, IF ANY:

OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO
P. O. DRAWER DD - ARTESIA
88210

January 24, 1975

I. R. TRUJILLO
CHAIRMAN

LAND COMMISSIONER
PHIL R. LUCERO
MEMBER

STATE GEOLOGIST
A. L. PORTER, JR.
SECRETARY – DIRECTOR

Corinne Grace
P. O. Box 1418
Carlsbad, New Mexico 88220

Re: Grace Carlsbad #1-I
Sec. 36-22-26, Eddy
County, N. M.

Dear Mrs. Grace:

To date this office has not received the 1974 Annual Packer Leakage Test Report on the subject well. Further, Form C-125, Gas Well Shut-in Pressure Report, has not been received for the Strawn Zone.

Please submit the delinquent reports as soon as possible, or if there is some reason for not complying with the provision of MC 1994 or Rule 402 make application for an exception to same.

Sincerely yours,

OIL CONSERVATION COMMISSION

W. A. Gressett
Supervisor, District II

WAG:jw
Xc: Dan Nutter, Santa Fe, N. M.

RECEIVED

MAR 21 1974

O. C. C.
ARTESIA, OFFICE

NEW MEXICO
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

GAS SUPPLEMENT NO. (~~NW~~) (SE) SF-3926 DATE 3-11-74

NOTICE OF WELL CONNECTION OR AUTHORITY TO ASSIGN ALLOWABLE

ALL VOLUMES EXPRESSED IN MCF

The operator of the following well has complied with all the requirements of the Oil Conservation Commission and may be assigned an allowable as shown below.

Date of Connection _____ Date of First Allowable or Allowable Change _____
Purchaser El Paso Natural Gas Co. Pool Carlsbad Morrow, South
Operator Corrine Grace Lease Grace Carlsbad
Well No. 1 Unit Letter I Sec. 36 Twp. 22S Rnge. 26E
Dedicated Acreage _____ Revised Acreage _____ Difference _____
Acreage Factor _____ Revised Acreage Factor _____ Difference _____
Deliverability _____ Revised Deliverability _____ Difference _____
A x D Factor _____ Revised A x D Factor _____ Difference _____

Production correction.

DIST. #

CALCULATION OF SUPPLEMENTAL ALLOWABLE

MONTH	% OF MO.	PREV. ALLOW	REV. ALLOW.	PREV. PROD.	REV. PROD.	REMARKS
JANUARY				26744	164881	
FEBRUARY						
MARCH						
APRIL						
MAY						
JUNE						
JULY						
AUGUST						
SEPTEMBER						
OCTOBER						
NOVEMBER						
DECEMBER						
TOTALS						
ALLOWABLE PRODUCTION DIFFERENCE - - - - - -						
Jan. SCHEDULE O/U STATUS - - - - - -						
REVISED Jan. O/U STATUS - - - - - -						
EFFECTIVE IN April SCHEDULE - - - - -						
PREVIOUS PERIOD ADJUSTMENTS - - - - - - - -						CURRENT CLASSIFICATION M TO

NOTICE OF SHUT-IN

The following described well has been Shut-in for Failure of Compliance:

Purchaser _____ Pool _____ Date _____
Operator _____ Lease _____
Well No. _____ Unit Letter _____ Sec. _____ Twp. _____ Rnge. _____
Effective date of Shut-in _____ Reason for Shut-in _____

A. L. PORTER, Jr., Director

By _____

Michael P. Grace II
Corinne Grace
P. O. BOX 1418
CARLSBAD, NEW MEXICO 88220

January 28, 1975

RECEIVED
JAN 31 1975
O. C. C.
ARTESIA, OFFICE

Mr. W. A. Gressett
Supervisor, District II
New Mexico Oil Conservation Commission
P. O. Drawer DD
Artesia, New Mexico 88210

RE: Grace Carlsbad #1-1
Section 36-22-26 Eddy
County, New Mexico

Dear Mr. Gressett:

Per your letter of January 24, 1975 we request an extension for the 1974 Annual Packer Leakage Test Report due to the fact that the Morrow zone of this well is being injected into the Airport Grace #1 well and used as a gas lift for this well. At the time that we run the Packer Leakage Test we will also run the Shut-in Pressure Report, so will need an extension here also.

Both of these tests will be run as soon as this one zone is no longer used as a gas lift.

Thank you.

Sincerely yours,

Juanita L. Jones

Juanita L.Jones

jlj
cc: Mr. Dan Nutter, Santa Fe, New Mexico

NEW MEXICO
OIL CONSERVATION COMMISSION
P. O. BOX 2088
SANTA FE, NEW MEXICO

GAS SUPPLEMENT NO. (NW) (SE) SE-4082 DATE 2-26-75

NOTICE OF WELL CONNECTION OR AUTHORITY TO ASSIGN ALLOWABLE

ALL VOLUMES EXPRESSED IN MCF

The operator of the following well has complied with all the requirements of the Oil Conservation Commission and may be assigned an allowable as shown below.

Date of Connection _____ Date of First Allowable or Allowable Change _____
Purchaser El Paso Natural Gas Co. Pool Carlsbad Morrow, South
Operator Corinne Grace Lease Grace Carlsbad
Well No. 1 Unit Letter I Sec. 36 Twp. 22S Rge. 26E
Dedicated Acreage _____ Revised Acreage _____ Difference _____
Acreage Factor 1.00 Revised Acreage Factor _____ Difference _____
Deliverability _____ Revised Deliverability _____ Difference _____
A x D Factor _____ Revised A x D Factor _____ Difference _____

Gas Lift

DIST. #

CALCULATION OF SUPPLEMENTAL ALLOWABLE

MONTH	% OF MO.	PREV. ALLOW	REV. ALLOW.	PREV. PROD.	REV. PROD.	REMARKS
JANUARY						
FEBRUARY						
MARCH						
APRIL						
MAY						
JUNE						
JULY						
AUGUST						
SEPTEMBER						
OCTOBER						
NOVEMBER				-0-	2496	
DECEMBER				-0-	7115	
TOTALS						

RECEIVED
MAR 14 1975
O. C. C.
ARTESIA, OFFICE

ALLOWABLE PRODUCTION DIFFERENCE - - - - - -
Jan. SCHEDULE O/U STATUS - - - - - -
REVISED Jan. O/U STATUS - - - - - -
EFFECTIVE IN April SCHEDULE - - - - -
PREVIOUS PERIOD ADJUSTMENTS - - - - - - - -

CURRENT CLASSIFICATION M TO

NOTICE OF SHUT-IN

The following described well has been Shut-in for Failure of Compliance:

Purchaser _____ Pool _____ Date _____
Operator _____ Lease _____
Well No. _____ Unit Letter _____ Sec. _____ Twp. _____ Rge. _____
Effective date of Shut-in _____ Reason for Shut-In _____

A. L. PORTER, Jr., Director

By _____

NEW MEXICO
OIL CONSERVATION COMMISSION
P. O. BOX 2088
SANTA FE, NEW MEXICO

GAS SUPPLEMENT NO. (NSW) (SE) SF- 3873 **DATE** 12-3-73

NOTICE OF WELL CONNECTION OR AUTHORITY TO ASSIGN ALLOWABLE

ALL VOLUMES EXPRESSED IN MCF

The operator of the following well has complied with all the requirements of the Oil Conservation Commission and may be assigned an allowable as shown below.

Date of Connection _____ Date of First Allowable or Allowable Change _____
Purchaser El Paso Natural Gas Co. Pool Carlsbad Morrow, South
Operator Corine Grace Lease Grace Carlsbad
Well No. 1 Unit Letter I Sec. 36 Twp. 22S Rnge. 26E
Dedicated Acreage _____ Revised Acreage _____ Difference _____
Acreage Factor 1.00 Revised Acreage Factor _____ Difference _____
Deliverability _____ Revised Deliverability _____ Difference _____
A x D Factor _____ Revised A x D Factor _____ Difference _____

New Allocation Factor issued (242980.54)
due to improper well classification. DIST. #

CALCULATION OF SUPPLEMENTAL ALLOWABLE

MONTH	% OF MO.	PREV. ALLOW	REV. ALLOW.	PREV. PROD.	REV. PROD.	REMARKS
JANUARY						
FEBRUARY						
MARCH						
APRIL						
MAY						
JUNE						
JULY						
AUGUST						
SEPTEMBER						
OCTOBER						
NOVEMBER						
DECEMBER		255567	242981			
TOTALS						
ALLOWABLE PRODUCTION DIFFERENCE - - - - - -						
Oct. SCHEDULE O/U STATUS - - - - - -						
REVISED Oct. O/U STATUS - - - - - -						
EFFECTIVE IN Jan. SCHEDULE - - - - -						
PREVIOUS PERIOD ADJUSTMENTS - - - - - - - -						CURRENT CLASSIFICATION N TO

RECEIVED
JAN 2 1974
O. C. C.
ARTESIA, OFFICE

NOTICE OF SHUT-IN

The following described well has been Shut-in for Failure of Compliance:

Purchaser _____ Pool _____ Date _____
Operator _____ Lease _____
Well No. _____ Unit Letter _____ Sec. _____ Twp. _____ Rnge. _____
Effective date of Shut-in _____ Reason for Shut-In _____

A. L. PORTER, Jr., *Director*
By _____

OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO
P. O. DRAWER DD - ARTESIA
88210

DIRECTOR
JOE D. RAMEY

LAND COMMISSIONER
PHIL R. LUCERO

STATE GEOLOGIST
EMERY C. ARNOLD

January 9, 1976

COPY 2-4-76

Corinne Grace
P. O. Box 1418
Carlsbad, N. M. 88220

ATTENTION: Juanita Jones

Re: Grace Carlsbad
#1-I, 36-22-26
Humble Grace Com.
#1-P, 2-23-26
Eddy County, N. M.

Dear Miss Jones:

To date, this office has not received the 1975 Annual Packer Leakage Test Report on the subject dually completed wells.

Please submit these delinquent reports soon as possible.

Sincerely yours,

W. A. Gressett

W. A. Gressett
Supervisor, District

WAG/ep

XC/Dan Nutter, Santa Fe, N. M.

rec'd 1-19-79

OIL CONSERVATION COMMISSION
STATE OF NEW MEXICO
P. O. BOX 2088 – SANTA FE 87501

S
SUPPLEMENT
NUMBER ..... (NW) (SE) SF-4288

DATE September 26, 1975

NOTICE OF ASSIGNMENT OF ALLOWABLE TO A GAS WELL

The operator of the following well has complied with all the requirements of the Oil Conservation Commission and the well is hereby assigned an allowable as shown below.

Date of Connection _____ Date of First Allowable or Allowable Change _____
Purchaser El Paso Natural Gas Co. Pool Carlsbad Morrow So.
Operator Corine Grace Lease Grace Carlsbad
Well No. 1 Unit Letter I Sec. 36 Twp. 22S Range 26E
Dedicated Acreage _____ Revised Acreage _____ Difference _____
Acreage Factor _____ Revised Acreage Factor _____ Difference _____
Deliverability _____ Revised Deliverability _____ Difference _____
A x D Factor _____ Revised A x D Factor _____ Difference _____

SANTA FE OCC District No. 4

Prod. Correction (GL)

CALCULATION OF SUPPLEMENTAL ALLOWABLE

MONTH	% OF MO.	PREV. ALLOW.	REV. ALLOW.	PREV. PROD.	REV. PROD.	REMARKS
January						
February						RECEIVED
March						
April						OCT 30 1975
May						
June						
July						O. C. C.
August				-0-	992	ARTESIA, OFFICE
September						
October						
November						
December						
TOTALS						

Previous Status Adjustments .....
Allowable Production Difference .....
Aug. Schedule O/U Status .....
Revised Aug. O/U Status .....

Effective In Nov. Schedule
Current Classification M To

Note: All gas volumes are in MCF @ 15.025 psia.

JOE D. RAMEY, *Secretary – Director*

By L. Kaylor

May	11,253	45	78

May 9 well was shutin for mandatory state shutin. Well was flowed to pit 22BW and put back on production.

Historical Production Data, based on pipe line figures show without a doubt shutin demands definitely harm production and can cause underground waste and could cause irreparable damage to formation. January-February Production, along with Historical Problems in these two months, indicate what effect the pipeline demand shutin had during the month of December and January, a total of 13 days. Production was approximately one half in these two months compared to December, March and May. Amount of water shown per month is only what was produced in the tanks and does not include approximately 179 barrels flowed to pit, January thru May of 1985, which is not accurately measurable, therefore is an estimate only.

No recent Reservoir Data is available. Since well is subject to loading up and being unstable, and fear of underground waste is so great, no Bottom Hole Buildup or pressure test have been done, and none are anticipated.

Carlsbad Grace #1
Section 36, Township 22S, Range 26E
1984 PRODUCTION PRODUCED

O. C. D.
ARTESIA, OFFICE

	GAS	OIL	WATER
Aug.	1,911 MMCF	18	0
Sept.	1,218 MMCF	0	0
Oct.	1,854 MMCF	0	0
	On Oct. 27, 1984 well was acidized with 7½% acid		
Nov.	6,389 MMCF	114	29
Dec.	10,029 MMCF	0	12
	Dec. 1-5 and 26-29 Pipeline SI		

1985

Jan.	7,215 MMCF	0	83.78
	Jan 8-Dead-Blow down to burn pit approximately 8BW		
	Jan 1 to 8 AVG rate 145 MMCFD		
	Jan 9 - Flow to burnpit to unload approcimately 19BW		
	Jan 10 to 13 AVG rate 132 MCFD		
	Jan 14 thru 18 well dead & shutin		
	Jan 19 - Ran coil tubing and nitrogen to unload 42BW		
	Jan 20 thru 31 AVG rate 466 MCFD		
Feb.	6,930 MMCF	120.14	35.07
	Feb 1 Rate was 465 MCFD		
	Feb 6 Rate was 211 MCFD and well had made 20BW since Feb. 1, well died Feb. 7, Flowed well to burn pit and unloaded approximately 28BW		
	After flowing well to pit production thru Feb. 14 AVG was 259 MCFD		
	Feb 15th Pipeline pressure was so high, 640 PSI, and tubing 325 PSI, well had to be shutin		
	Feb 20th, well was flowed to pit unloading approximately 16BW and compressor was being installed.		
	Feb 23rd compressor was running and well made 319 MCF		
	Feb 24th & 25th compressor was down and well made 139 and 111 MCFD respectively. On Feb 26th compressor was backin service and well was flowed to pit, approximately 16BW, and AVG rate for 26th thru 28th was 559 MCFD.		
March	12,649 MMCF	66.31	61.79
	AVG rate for thirty days with no shutins was 421 MCFD.		
	On March 30 well loaded up and was flowed to pit approximately 22BW		
April	7730 MMCF	37	65.52
	AVG producing rate after being down only 24 hrs. was 274 MCFD which resulted in a loss of 147 MCFD for a period of 15 days. On April 16th well was flowed to pit approximately 6BW and put back on production but still averaged only 258 MCFD, and for the whole month averaged only 257 MCFD according to pipe line figures. In March with no shutin demands, as has already been stated, average production was 421 MCFD, while making about the same amount of water.		

October 24, 1985

Carlsbad Grace #1
Compressor - Ingersoll-Rand
Serial #72-160 5½ x 11 ESH with F817 Waukesha Power

Maximum Rated Compressor RPM	----------	378
Maximum Rated Engine RPM	----------	1800
Capacity at Maximum RPM	----------	1.5 MCFD
Minimum RPM is 40% of Maximum RPM		
Capacity at Minimum RPM	----------	600 MCFD
½ of Valves Removed to Decrease Minimum Capactiy By 50%	----------	300 MCFD

The last settlement statement we received from the purchaser indicates average daily volume to be 294,000 cubic ft per day. The compressor is operating at a minimum rate. Maximum and minimum rates were obtained from the manufacturer.

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
ARTESIA DISTRICT OFFICE

TONEY ANAYA
GOVERNOR

RECEIVED
SEP 19
O. C. D.
ARTESIA, OFFICE

P.O. DRAWER DD
ARTESIA, NEW MEXICO 88210
(505) 748-1283

October 30, 1985

RECEIVED
NOV
OIL CONSERVATION DIVISION
SANTA FE

Mr. R. L. Stamets
Director Oil Conservation Div.
P.O. Box 2088
Santa Fe, N.Mex. 87504-2088

Case File
No 8593

Dear Mr. Stamets,

Please find attached Minium Flow Rate Test taken on the Corinne B. Grace, Carlsbad Grace #1 from 10/23/85 to 10/30/85 as per Order R-8026.

According to Billy Miller, company representative, the well will flow on any flow rate as long as the compressor is running. The problem with flowing the well at a rate of less than 300 MCF P/D is with the compressor specifications (see attached sheet) Billy said 1/2 of the valves have been removed from the compressor to keep it from over heating now.

The compressor was shut down for one day and the gas dropped from ± 350 MCF P/D to ± 60 MCF P/D. After being down for 24 hours the compressor was restarted and the production came right back up without having to be swabbed.

Billy said that if the compressor was down for a long enough period of time they would have to run the continuous tubing and kick the well off with Nitrogen, approximate cost $14,000.00. He does not know how long the well can stay shut in before they have to use Nitrogen to kick it off.

Sincerely,

Mike Williams
Oil & Gas Inspector

MW:br

RECEIVED
SEP 19 1986
O. C. D.
ARTESIA, OFFICE

CERTIFICATE OF BILLY MILLER

I, Billy Miller, hereby certify that:

(1) I am the production superintendent for the applicant, Corrine Grace.

(2) My duties include daily monitoring the production characteristics and data of the Carlsbad Grace No. 1 well located in Unit Letter I of Section 36, T 22 S, R 26 E, Eddy County, New Mexico.

(3) It is my belief that the condition of the well remains unchanged since Order R-8026 was issued by the Oil Conservation Division on September 19, 1985 because:

(a) The well will not produce without a compressor due to its low bottom hole pressure;

(b) Due to the nature of the well's flowing tubing pressure, a minimum flow rate is necessary to continuously remove fluids from the wellbore;

(c) Tubing cannot be economically or practicably replaced to correct well production problems;

(d) Divison Case File No. 8593 contains well flow test results conducted in October, 1985, which, upon information and belief, currently reflect production capabilities of the well.

Billy Miller

Subscribed and sworn to me this 16th day of September, 1986.

Notary Public

My Commission Expires:

2/25/87

(5) Daily production statistics for 1984 and 1985 production data which are believed to accurately reflect the well's current reservoir data.

Very truly yours,

Ernest L. Padilla

c: Corrine Grace

ELP:rmm

PADILLA & SNYDER
ATTORNEYS AT LAW
200 W. MARCY, SUITE 212
P.O. BOX 2523
SANTA FE, NEW MEXICO 87504-2523
(505) 988-7577

RECEIVED BY
SEP 19 1986
O. C. D.
ARTESIA, OFFICE

September 17, 1986

HAND-DELIVERY

Richard L. Stamets
New Mexico Oil Conservation Division
Post Office Box 2088
Santa Fe, New Mexico 87504-2088

RE: Carlsbad Grace No. 1,
I-36-22 S-26 E, Eddy County
Order R-8026

Dear Mr. Stamets:

Pursuant to Rule 412 of the Rules of the Oil Conservation Division, application is made herein for continued hardship classification. In support of this application we submit the following materials:

(1) Certification of Billy Miller, production superintendent for Corrine Grace, the applicant, that the condition of the well has not changed.

(2) Copy of a letter dated October 30, 1985, from Mike Williams to R.L. Stamets outlining production problems with the well. The original of this letter is contained in the Division Case file No. 8593.

(3) Compressor specifications.

(4) Production tabulation from September 1985 to July 1986. This shows that during this period, production averaged 307.03 mcf/d, slightly above the division minimum flow rate established by letter dated November 4, 1985, a copy of which is attached.

(5) Daily production statistics for 1984 and 1985 production data which are believed to accurately reflect the well's current reservoir data.

Very truly yours,

Ernest L. Padilla

Ernest L. Padilla

c: Corrine Grace

ELP:rmm

PADILLA & SNYDER
ATTORNEYS AT LAW
200 W. MARCY, SUITE 212
P.O. BOX 2523
SANTA FE, NEW MEXICO 87504-2523
(505) 988-7577

RECEIVED BY
SEP 19 1986
O. C. D.
ARTESIA, OFFICE

September 17, 1986

COPY

HAND-DELIVERY

Richard L. Stamets
New Mexico Oil Conservation Division
Post Office Box 2088
Santa Fe, New Mexico 87504-2088

RE: Carlsbad Grace No. 1,
I-36-22 S-26 E, Eddy County
Order R-8026

Dear Mr. Stamets:

Pursuant to Rule 412 of the Rules of the Oil Conservation Division, application is made herein for continued hardship classification. In support of this application we submit the following materials:

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PADILLA & SNYDER
ATTORNEYS AT LAW
200 W. MARCY, SUITE 212
P.O. BOX 2523
SANTA FE, NEW MEXICO 87504-2523
(505) 988-7577

RECEIVED BY
SEP 19 1986
O. C. D.
ARTESIA, OFFICE

September 18, 1986

Mr. Les Clements
New Mexico Oil Conservation Division
Drawer DD
Artesia, New Mexico 88210

RE: ~~City of Carlsbad Well No. 1 and~~
Carlsbad Grace No. 1

Dear Mr. Clements:

Enclosed are complete packets which we presented to Mr. Stamets and Mr. Lyon during our meeting on September 17, 1986 with them relative to the above referenced wells.

The map did not photocopy well, but was intended only to show marginal and non-marginal wells in the South Carlsbad Morrow Pool.

Very truly yours,

Ernest L. Padilla

Enclosures

ELP:rmm

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

TONEY ANAYA
GOVERNOR

September 22, 1986

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-5800

RECEIVED BY
SEP 24 1986
O. C. D.
ARTESIA, OFFICE

Mr. Ernest L. Padilla
Attorney at Law
P. O. Box 2523
Santa Fe, New Mexico 87501

Re: Hardship Gas Well - Carlsbad Grace Well
No. 1 - Unit I, 36-22S-26E, Eddy County
Order No. R-8026

Dear Mr. Padilla:

In response to your letter dated September 17 and the attached material, we find the conditions continue to prevail which resulted in the issuance of Order No. R-8026.

Extension of the terms of Order No. R-8026 are hereby extended to September 1, 1987 and the minimum flow rate is set at 300 Mcfd, which rate should not be exceeded in the event the well becomes overproduced on a cumulative basis.

The Commission retains jurisdiction for further action that may be appropriate.

Yours very truly,

VICTOR T. LYON
Chief Engineer

VTL/dr

cc: Les Clements, Artesia District Office
Corinne B. Grace
Mr. R. L. Manning, El Paso Natural Gas

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

September 23, 1987

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

RECEIVED

SEP 24 '87

O. C. D.
ARTESIA, OFFICE

Mr. Ernest L. Padilla
P. O. Box 2523
Santa Fe, New Mexico 87504-2523

Re: Carlsbad Grace No. 1 - I-36-22S-26E
Eddy County, New Mexico
Order R-8026, Case 8593

Dear Mr. Padilla:

Your letter of September 17 has been duly received and reviewed. The information submitted indicates the well conditions have not changed and that production during the last 12 months has not exceeded the flow rate established under subject order, 300 MCF/day.

The hardship classification and minimum flow rate heretofore approved is hereby extended to October 1, 1988.

Yours very truly,

VICTOR T. LYON,
Deputy Director

xc: EPNG Co. - John Nance
Les Clements, OCD Artesia
Allen Armijo, OCD Santa Fe

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

RECEIVED

SEP 30 '88

O. C. D.
ARTESIA, OFFICE

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

September 26, 1988

Mr. Ernest L. Padilla
P.O. Box 2523
Santa Fe, NM 87504-2523

RE: Hardship Classification - Carlsbad Grace No. 1; I-36-22S-26E; Eddy County, New Mexico; South Carlsbad-Morrow Pool; Case 8593, Order No. R-8026.

Dear Mr. Padilla:

Your letter of September 23, 1988 has been received and reviewed. The information provided indicates the well's condition still qualifies it for hardship status. Accordingly, the hardship classification is hereby extended to October 1, 1989.

Yours very truly,

William J. LeMay
Director

WJL/VTL/ag

xc: El Paso Natural Gas Co. - John Nance
Mike Williams - Oil Conservation Division - Artesia
Allen Armijo - Oil Conservation Division - Santa Fe

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

RECEIVED

OCT -2 '89

O. C. D.
ARTESIA, OFFICE

GARREY CARRUTHERS
GOVERNOR

September 28, 1989

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

Mr. Ernest L. Padilla
P. O. Box 2523
Santa Fe, New Mexico 87504-2523

Re: Hardship Classification -
Carlsbad Grace No. 1;
I-36-22S-26E;
South Carlsbad Strawn Pool
Eddy County, New Mexico
Case 8593, Order No. R-8026

Dear Mr. Padilla:

Your letter of September 25, 1989, has been received and reviewed. The information provided indicates the well's conditon still qualifies it for hardship status. Accordingly, the hardship classification is hereby extended to October 1, 1990.

Sincerely,

for WILLIAM J. LEMAY,
Director

WJL/VTL/dr

xc: El Paso Natural Gas Co. - John Nance
Mike Williams - Oil Conservation Division - Artesia
Cathy Meyer - Oil Conservation Division - Santa Fe

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

RECEIVED

SEP 30 1991

O. C. D.
ARTESIA OFFICE

BRUCE KING
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

September 27, 1991

Ms. Corrine B. Grace
c/o Mr. Ernest L. Padilla
P.O. Box 2523
Santa Fe, NM 87504-2523

RE: Hardship Gas Well Classification - Carlsbad Grace Well No. 1; Unit I, Section 36, Township 22 South, Range 26 East, South Carlsbad-Strawn Pool, Eddy County, New Mexico. Case No. 8593, Order No. R-8026.

Dear Mr. Padilla:

Your letter of September 24, 1991 has been received and reviewed. It appears that the well's performance continues to qualify the well for hardship classification.

The hardship classification is hereby extended to October 1, 1992.

Sincerely,

William J. LeMay
Director

WJL/MES/AG

cc: Case File
Mike Williams - Oil Conservation Division, Artesia
Jim Plewa - Oil Conservation Division, Santa Fe
El Paso Natural Gas Company

FORM 2987

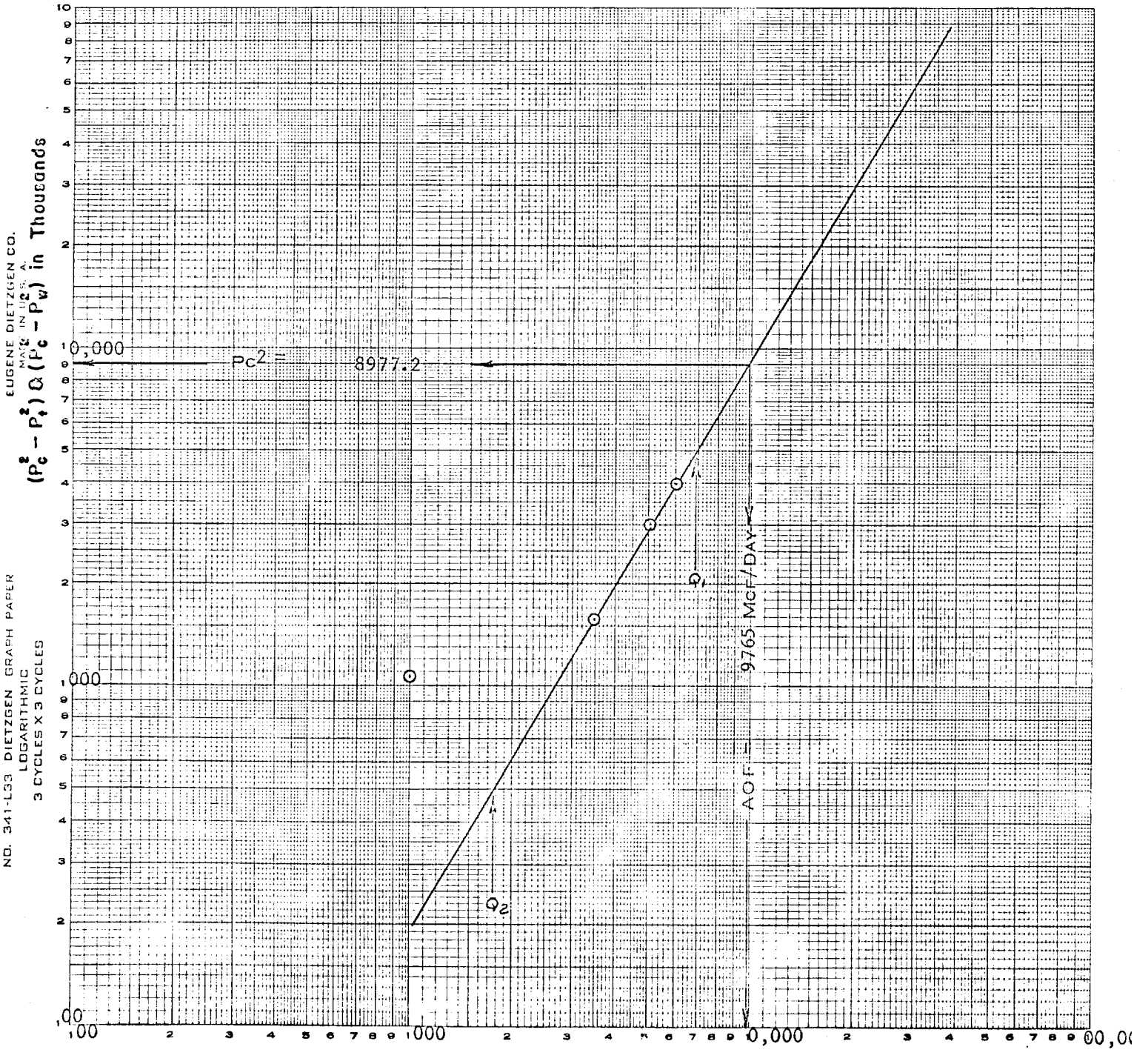
BACK PRESSURE CURVE

Operator CORINNE GRACE Lease CARLSBAD GRACE Well No. 1

County EDDY Field SO. CARLSBAD (MARROW) Location I S36 T22S R26E

Date of Test 7-4-73 Slope "n" 0.594 W. H. _____ Abs.

Calc. W. H. Potential _____ MCF/D Calc. Abs. Potential 9,765 MCF/D



ABS. SLOPE (N) = Q. = 6945 = 7.8404198

Q2 = 1765 = 7.2467447

0.5936751

ABS. POT. = 6032 (8977.2) = 9765 MCF/DAY

3990.0

Copy to SF
C-122

NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
SEP 11 1973
O. C. C.
ARTESIA, OFFICE

Type Test: ☐ Initial ☒ Annual ☐ Special				Test Date: 7-4-73	
Company: CORINNE GRACE		Connection: EL PASO NATURAL GAS COMPANY			
Pool: SOUTH CARLSBAD		Formation: MORROW			Unit:
Completion Date:	Total Depth: 11,875'		Plug Back TD: 11,761'	Elevation: 3208	Farm or Lease Name: CARLSBAD GRACE
Csg. Size: 4½"	Wt.: 11.50 / 10.50	Set At: 11,875'	Perforations: From 11,486' To 11,526'		Well No.: 1
Tbg. Size: 2- 3/8"	Wt.: 4.5	Set At: 11,380'	Perforations: From To		Unit: I Sec.: 36 Twp.: 22S Rge.: 26E
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: GAS GAS DUAL			Packer Set At: 11,380'		County: EDDY
Producing Thru: TUBING	Reservoir Temp. °F: 207° @ 11,506'	Mean Annual Temp. °F: 60	Baro. Press. – P_a: 13.2		State: NEW MEXICO

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
11,380	11,380	0.582 EST.	1.01 EST.	0.28 EST.	-0- EST.		4"	FLANGE

NO.	FLOW DATA: Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI					2314		PKR.	CHOKE	
1.	4 x 3.00"		2.3	86	2225.0	78		12/64"	45 MIN.
2.	4 x 3.00"		6.8	85	1990.0	79		18/64"	45 MIN.
3.	4 x 3.00"		13.7	78	1552.0	79		24/64"	45 MIN.
4.	4 x 3.00"		19.4	74	1149.0	79		30/64"	45 MIN.
5.									

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	51.64	29.49	378.2	0.9759	1.311	1.026	1999
2.	51.64	51.13	384.4	0.9768	1.311	1.027	3472
3.	51.64	73.74	396.9	0.9837	1.311	1.029	5050
4.	51.64	87.75	396.9	0.9868	1.311	1.029	6032
5.							

NO.	P_r	Temp. °R	T_r	Z
1.	0.56	546	1.56	0.950
2.	0.57	545	1.56	0.949
3.	0.59	538	1.54	0.945
4.	0.59	534	1.53	0.944
5.				

Gas Liquid Hydrocarbon Ratio: T.S.T.M. Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: Deg.
Specific Gravity Separator Gas: 0.582 XXXXXXXXXX
Specific Gravity Flowing Fluid: XXXXX
Critical Pressure: 676 P.S.I.A. P.S.I.A.
Critical Temperature: 349 R R

P_c 2996.2 P_c^2 8977.2

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	5009.5	2813.2	7914.1	1063.1
2	4012.8	2723.2	7415.8	1561.4
3	2449.9	2445.2	5979.0	2998.2
4	1350.7	2233.2	4987.2	3990.0
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.2499$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.6188$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 9,765$

Absolute Open Flow: 9,765 Mcfd @ 15.025 Angle of Slope θ: 59.3° Slope, n: 0.594

Remarks: BOTTOM HOLE PRESSURES MEASURED WITH AMERADA GUAGE @ 11,506 FEET

L-10 CHART READINGS CONVERTED TO CONVENTIONAL READINGS BASED ON 100"-1000# METE

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	D. TYSON	R. WEST	

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

October 7, 1992

BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

Ms. Corinne B. Grace
c/o Mr. Ernest L. Padilla
P. O. Box 2523
Santa Fe, New Mexico 87504-2523

Re: Hardship Gas Well
Carlsbad Grace No. 1
Unit I, Section 36, T-22-S, R-26-E
Eddy County, New Mexico
South Carlsbad-Strawn Pool
Order No. R-8026, Case No. 8593

Dear Mr. Padilla:

Your request for continued hardship gas well classification for the subject well has been reviewed. We find that this well performance is such that it continues to qualify for the hardship classification.

The hardship classification is hereby extended to October 1, 1993.

Sincerely,

WILLIAM J. LEMAY,
Director

WJL/LOV

cc: Case File
Mike Williams - OCD, Artesia
Dave Nelson - OCD, Santa Fe
El Paso Natural Gas Co. - John Nance

Submit 5 Copies
Appropriate District Office
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

RECEIVED
NOV 25 1992
O. C. D.

Form C-104
Revised 1-1-89
See Instructions at Bottom of Page

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I.

Operator	Well API No.
CORINNE B. GRACE ✓	30-015-20573
Address P.O. BOX 1418 CARLSBAD, NM 88220	

Reason(s) for Filing *(Check proper box)*

- New Well [ ]
- Recompletion [ ]
- Change in Operator [ ]
- Change in Transporter of: Oil [ ] Dry Gas [X] Casinghead Gas [ ] Condensate [ ]
- [X] Other *(Please explain)* EFFECTIVE 12/01/92

If change of operator give name and address of previous operator _____

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease State, Federal or Fee	Lease No.
CARLSBAD GRACE	1	SOUTH CARLSBAD MORROW		K-6290

Location
Unit Letter I : 1980 Feet From The SOUTH Line and 660 Feet From The EAST Line
Section 36 Township 22S Range 26E, NMPM, EDDY County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil [ ] or Condensate [ ]	Address *(Give address to which approved copy of this form is to be sent)*
Name of Authorized Transporter of Casinghead Gas [ ] or Dry Gas [X] TRANSWESTERN PIPELINE CO.	Address *(Give address to which approved copy of this form is to be sent)* P.O. BOX 1188 HOUSTON, TX 77251-1188

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When ?

If this production is commingled with that from any other lease or pool, give commingling order number: _____

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Elevations *(DF, RKB, RT, GR, etc.)*	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Perforations			Depth Casing Shoe

TUBING, CASING AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL *(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)*

Date First New Oil Run To Tank	Date of Test	Producing Method *(Flow, pump, gas lift, etc.)*	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas- MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method *(pitot, back pr.)*	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature
MITCHELL MORRIS ACCOUNTANT
Printed Name Title
NOVEMBER 24, 1992 (505)887-5581
Date Telephone No.

OIL CONSERVATION DIVISION

Date Approved NOV 25 1992

By ORIGINAL SIGNED BY MIKE WILLIAMS SUPERVISOR, DISTRICT II

Title _____

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
2) All sections of this form must be filled out for allowable on new and recompleted wells.
3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
4) Separate Form C-104 must be filed for each pool in multiply completed wells.

Submit 5 Copies
Appropriate District Office
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

RECEIVED
DEC 31 1992
O. C. D.
ARTESIA, OFFICE

Form C-104
Revised 1-1-89
See Instructions at Bottom of Page

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I.

Operator	Well API No.
Corinne B. Grace	30-015-20573
Address: P.O. Box 1418 Carlsbad, NM 88220	

Reason(s) for Filing (Check proper box)

New Well	☐	Change in Transporter of:		Other (Please explain) ☐
Recompletion	☐	Oil ☐	Dry Gas ☒	Effective 1-1-93
Change in Operator	☐	Casinghead Gas ☐	Condensate ☐	Split Connection

If change of operator give name and address of previous operator _____

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease (State, Federal or Fee)	Lease No.
Carlsbad Grace	1	South Carlsbad Morrow		K-6290

Location
Unit Letter I : 1980 Feet From The South Line and 660 Feet From The East Line
Section 36 Township 22S Range 26E , NMPM, Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☐	Address (Give address to which approved copy of this form is to be sent)
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒: El Paso Natural Gas Transwestern Pipeline	Address (Give address to which approved copy of this form is to be sent): P.O. Box 1492 El Paso, TX 79978 / P.O. Box 1188 Houston, TX 77251-1188

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When ?

If this production is commingled with that from any other lease or pool, give commingling order number: _____

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Perforations			Depth Casing Shoe

TUBING, CASING AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL *(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)*

Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas- MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Mitchell Morris
Signature
Mitchell R. Morris Accountant
Printed Name Title
12/31/92 505-887-5581
Date Telephone No.

OIL CONSERVATION DIVISION

Date Approved JAN 1 6 1993

By ORIGINAL SIGNED BY MIKE WILLIAMS SUPERVISOR, DISTRICT II

Title _____

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
2) All sections of this form must be filled out for allowable on new and recompleted wells.
3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
4) Separate Form C-104 must be filed for each pool in multiply completed wells.

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
GOVERNOR

OIL CONSERVATION DIVISION
ARTESIA DISTRICT OFFICE

JENNIFER SALISBURY
CABINET SECRETARY

January 26, 1996

Corinne B. Grace
P.O. Box 1418
Carlsbad, NM 88220

Re: Delinquent Packer Leakage Test, Carlsbad Grace #1, C-36-22-26

Gentlemen,

A segregation and/or packer leakage test is to be filed with this office annually, no later than October 15, on the subject well(s).

Our records show that we have not received a PLT on the above well(s) for the year of 1995.

Please notify this office 24 hours prior to the test in order that our representative may be present.

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST forms should be submitted in triplicate and must be accompanied by one original test chart and two copies.

Failure to comply may result in cancellation of allowable. Your prompt attention to this matter will be greatly appreciated.

Yours Truly,

Ray Smith
Deputy Oil & Gas Inspector

811 S. First St. ARTESIA, NEW MEXICO 88210-2834 505-748-1283

C145 OP

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
811 South First, Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-104
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

1 Operator name and Address	2 OGRID Number
MARBOB ENERGY CORPORATION P.O. BOX 227 ARTESIA, NM 88210	14049
	3 Reason for Filing Code CH EFFECTIVE 8/1/00

4 API Number	5 Pool Name	6 Pool Code
30 - 0 15-20573	CARLSBAD MORROW SOUTH	73960
7 Property Code	**8 Property Name**	**9 Well Number**
26664	GRACE CARLSBAD	001

II. 10 Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
I	36	22S	26E		1980	SOUTH	660	EAST	EDDY

11 Bottom Hole Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County

12 Lse Code	13 Producing Method Code	14 Gas Connection Date	15 C-129 Permit Number	16 C-129 Effective Date	17 C-129 Expiration Date
S	F				

III. Oil and Gas Transporters

18 Transporter OGRID	19 Transporter Name and Address	20 POD	21 O/G	22 POD ULSTR Location and Description
		2831979	O	
139633	HIGHLAND GATHERING	~~1020930~~ 2821980	G	

RECEIVED
OCD - ARTESIA

IV. Produced Water

23 POD	24 POD ULSTR Location and Description
2831981	

V. Well Completion Data

25 Spud Date	26 Ready Date	27 TD	28 PBTD	29 Perforations	30 DHC, DC, MC

31 Hole Size	32 Casing & Tubing Size	33 Depth Set	34 Sacks Cement

VI. Well Test Data

35 Date New Oil	36 Gas Delivery Date	37 Test Date	38 Test Length	39 Tbg. Pressure	40 Csg. Pressure
41 Choke Size	**42 Oil**	**43 Water**	**44 Gas**	**45 AOF**	**46 Test Method**

47 I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: Robin Cockrum

Printed name: ROBIN COCKRUM

Title: PRODUCTION ANALYST

Date: 07/31/00 Phone: 748-3303

OIL CONSERVATION DIVISION

Approved by: ORIGINAL SIGNED BY TIM W. GUM

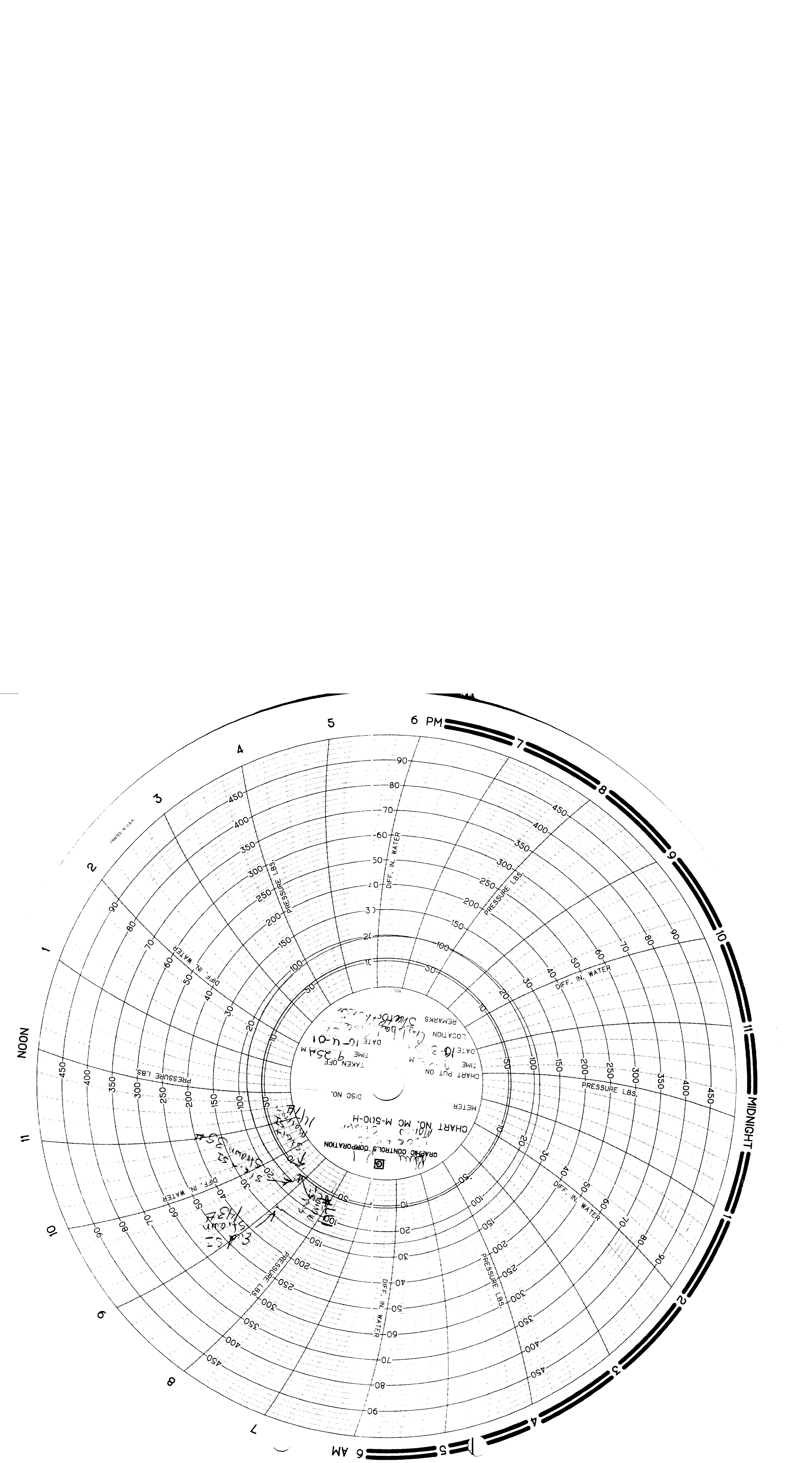
Title: DISTRICT II SUPERVISOR

Approval Date: SEP 15 2000

48 If this is a change of operator fill in the OGRID number and name of the previous operator

CORINNE B. GRACE OGRID #5268

Previous Operator Signature	Printed Name	Title	Date
Corinne B. Grace	Corinne B. Grace		8/1/00


NOON
1
2
3
4
5
6 PM
7
8
9
10
11
MIDNIGHT
1
2
3
4
5
6 AM
7
8
9
10
11
PRESSURE LBS.
DIFF. IN. WATER
PRINTED IN U.S.A.
CHART PUT ON
TIME
DATE
LOCATION
REMARKS
TAKEN OFF
TIME 9:25A M
DATE 10-4-01
METER
DISC NO.
CHART NO. MC M-5010-H
GRAPHIC CONTROLS CORPORATION

GRAPHIC CONTROLS CORPORATION

CHART NO. MC M-500-H

METER

DISC NO.

CHART PUT ON
TIME 9.30 A M
DATE 10-4-01

TAKEN OFF
TIME 9.30 A M
DATE 10-5-01

LOCATION Carlsbad Gas #1

REMARKS Flow Morrow

MIDNIGHT 11 10 9 8 7 6 PM 5 4 3 2 1 NOON

6 AM 7 8 9 10 11 NOON 1 2 3 4 5 6 PM 7 8 9 10 11 MIDNIGHT

PRESSURE LBS. 0 50 100 150 200 250 300 350 400 450

DIFF. IN. WATER 0 10 20 30 40 50 60 70 80 90

PRINTED IN U.S.A.

GRAPHIC CONTROLS CORPORATION

1500 x 500

CHART NO. MC M-500-H

METER

DISC NO.

CHART PUT ON
TIME 9:30 AM
DATE 10-5-01

TAKEN OFF
TIME 9:40 AM
DATE 10-6-01

LOCATION Carlsbad Grace #1

REMARKS Static

PRINTED IN U.S.A.

GRAPHIC CONTROLS CORPORATION

CHART NO. MC M-500-H

METER

DISC NO.

CHART PUT ON
TIME 9.45 AM
DATE 10-6-61

TAKEN OFF
TIME 9.45 AM
DATE 10-7-61

LOCATION Carlsbad Gr...

REMARKS Flow Stream

Start flow Stream #90

Cut flow 450#

End Meter 174

Start meter 177

MIDNIGHT 1 2 3 4 5 6 AM 7 8 9 10 11 NOON 1 2 3 4 5 6 PM 7 8 9 10 11

PRESSURE LBS. 0 50 100 150 200 250 300 350 400 450

DIFF. IN. WATER 0 10 20 30 40 50 60 70 80 90

PRINTED IN U.S.A.

Submit 3 Copies to Appropriate Dist. Office

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Revised 1-1-89

INSTRUCTIONS ON REVERSE SIDE

This form is not to be used for reporting packer leakage tests in Northwest New Mexico

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator			Lease			Well No.
Marbob Energy			Carlsbad Grace			1
Location of Well	Unit	Sec.	Twp	Rge	County	
	I	36	22S	26E	Eddy	

	Name of Reservoir or Pool	Type of Prod. (Oil or Gas)	Method of Prod. Flow, Art Lift	Prod. Medium (Tbg. or Csg)	Choke Size
Upper Compl	Strawn	Gas	Comp	Tbg	Open
Lower Compl	Morrow	Gas	Comp	Tbg	Open

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 9:30Am / 10-3-01

Well opened at (hour, date): 9:30Am / 10-4-01

	Upper Completion	Lower Completion
Indicate by (X) the zone producing		X
Pressure at beginning of test	130	177
Stabilized? (Yes or No)	YES	YES
Maximum pressure during test	188	177
Minimum pressure during test	130	33
Pressure at conclusion of test	188	33
Pressure change during test (Maximum minus Minimum)	58	144
Was pressure change an increase or a decrease?	Increase	Decrease

Well closed at (hour, date): 9:30Am / 10-5-01 Total Time On Production 24 HRS.

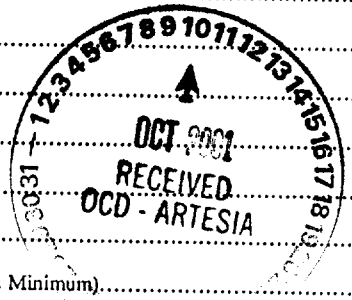
Oil Production During Test: _____ bbls; Grav. _____ Gas Production During Test _____ MCF; GOR _____

Remarks No Indication of Packer Leakage.

FLOW TEST NO. 2

Well opened at (hour, date): 9:45Am / 10-6-01

	Upper Completion	Lower Completion
Indicate by (X) the zone producing	X	
Pressure at beginning of test	240	177
Stabilized? (Yes or No)	YES	YES
Maximum pressure during test	240	177
Minimum pressure during test	150	177
Pressure at conclusion of test	150	177
Pressure change during test (Maximum minus Minimum)	90	0
Was pressure change an increase or a decrease?	Decrease	Stable



Well closed at (hour, date) 9:45Am / 10-7-01 Total time on Production 24 HRS.

Oil production During Test: _____ bbls; Grav. _____; Gas Production During Test _____ MCF; GOR _____

Remarks No Indication of Packer Leakage

OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the information contained herein is true and completed to the best of my knowledge

Kelly Services Inc.
Operator

Julian L. Guajardo
Signature

Julian L. Guajardo / Tester
Printed Name / Title

10-8-01 — 748-3759
Date

OIL CONSERVATION DIVISION

Date Approved 10-25-01

By _____

Title _____

Submit 3 Copies to Appropriate Dist. Office

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Revised 1-1-89

INSTRUCTIONS ON REVERSE SIDE

This form is not to be used for reporting packer leakage tests in Northwest New Mexico

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator			Lease		Well No.
Macbeth Energy			Carlsbad Grace St		#1
Location of Well: Unit	Sec.	Twp	Rge	County	
I	36	22S	26E	Eddy	

	Name of Reservoir or Pool	Type of Prod. (Oil or Gas)	Method of Prod. Flow, Art Lift	Prod. Medium (Tbg. or Csg)	Choke Size
Upper Compl	Strawn	GAS	Comp	Tbg	open
Lower Compl	Morrow	GAS	Comp	Tbg	open

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 9:30 AM / 9-9-02

Well opened at (hour, date): 9:30 AM / 9-10-02

	Upper Completion	Lower Completion
Indicate by (X) the zone producing	X	
Pressure at beginning of test	125	155
Stabilized? (Yes or No)	YES	YES
Maximum pressure during test	125	165
Minimum pressure during test	20	155
Pressure at conclusion of test	20	165
Pressure change during test (Maximum minus Minimum)	105	10
Was pressure change an increase or a decrease?	Decrease	Increase

Well closed at (hour, date): 10:00 AM / 9-11-02 Total Time On Production 24½ HRS.

Oil Production During Test: _____ bbls; Grav. _____ Gas Production During Test _____ MCF; GOR _____

Remarks: NO Indication of Packer Leak.

FLOW TEST NO. 2

Well opened at (hour, date): 9:30 AM / 9-12-02

	Upper Completion	Lower Completion
Indicate by (X) the zone producing		X
Pressure at beginning of test	120	170
Stabilized? (Yes or No)	YES	YES
Maximum pressure during test	175	170
Minimum pressure during test	120	10
Pressure at conclusion of test	175	10
Pressure change during test (Maximum minus Minimum)	55	160
Was pressure change an increase or a decrease?	Increase	Decrease

SEP 2002 RECEIVED OCD - ARTESIA

Well closed at (hour, date) 10:40 / 9-13-02 Total time on Production 24 HRS.

Oil production During Test: _____ bbls; Grav. _____ ; Gas Production During Test _____ MCF; GOR _____

Remarks: NO Indication of Packer Leak

OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the information contained herein is true and complete to the best of my knowledge

Kelfic Services Inc.
Operator

Julian F Guajardo
Signature

Julian F. Guajardo Tester
Printed Name Title

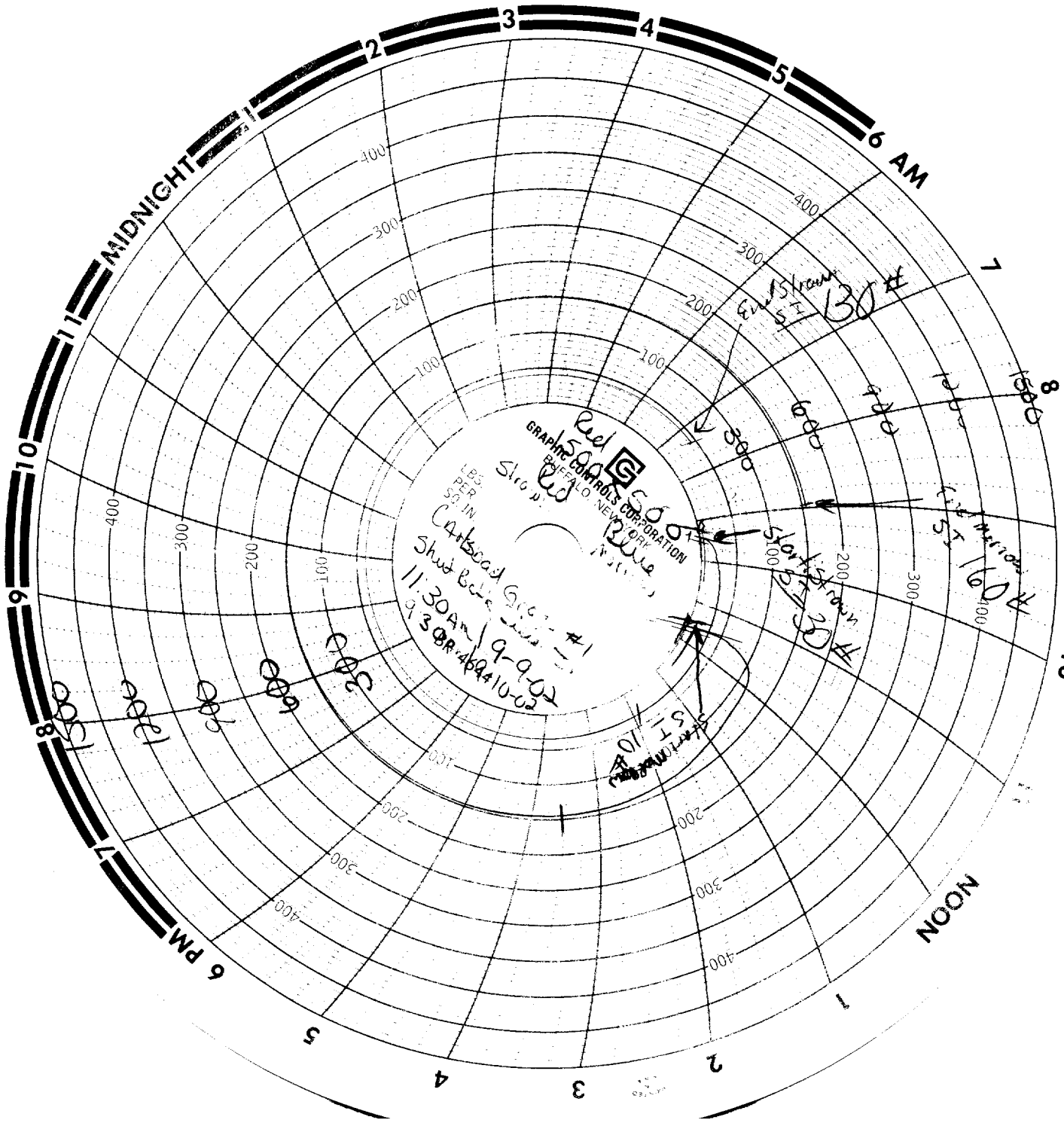
9-18-02 748-3759
Date Telephone No.

OIL CONSERVATION DIVISION

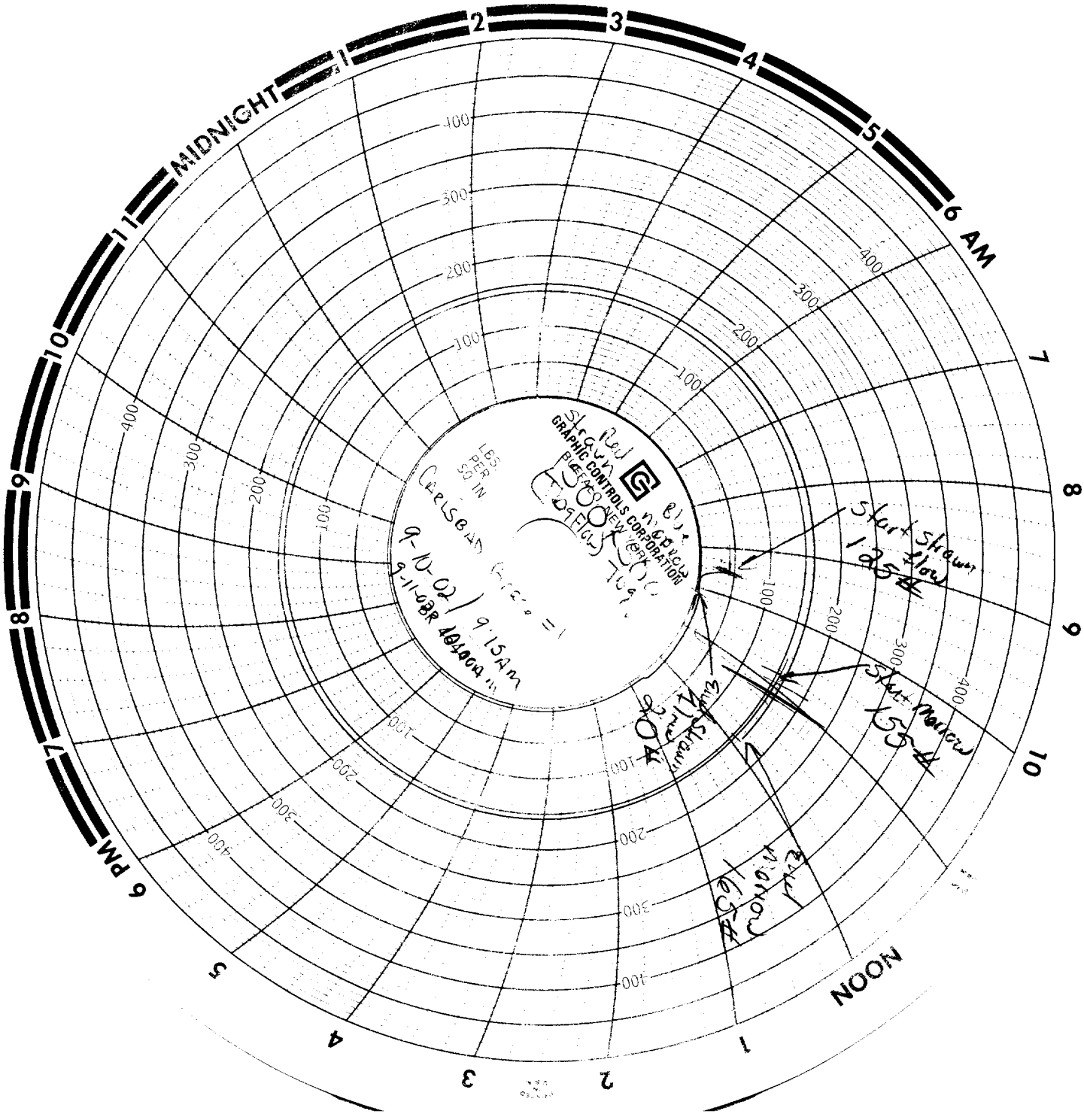
Date Approved OCT 15 2002

By _____

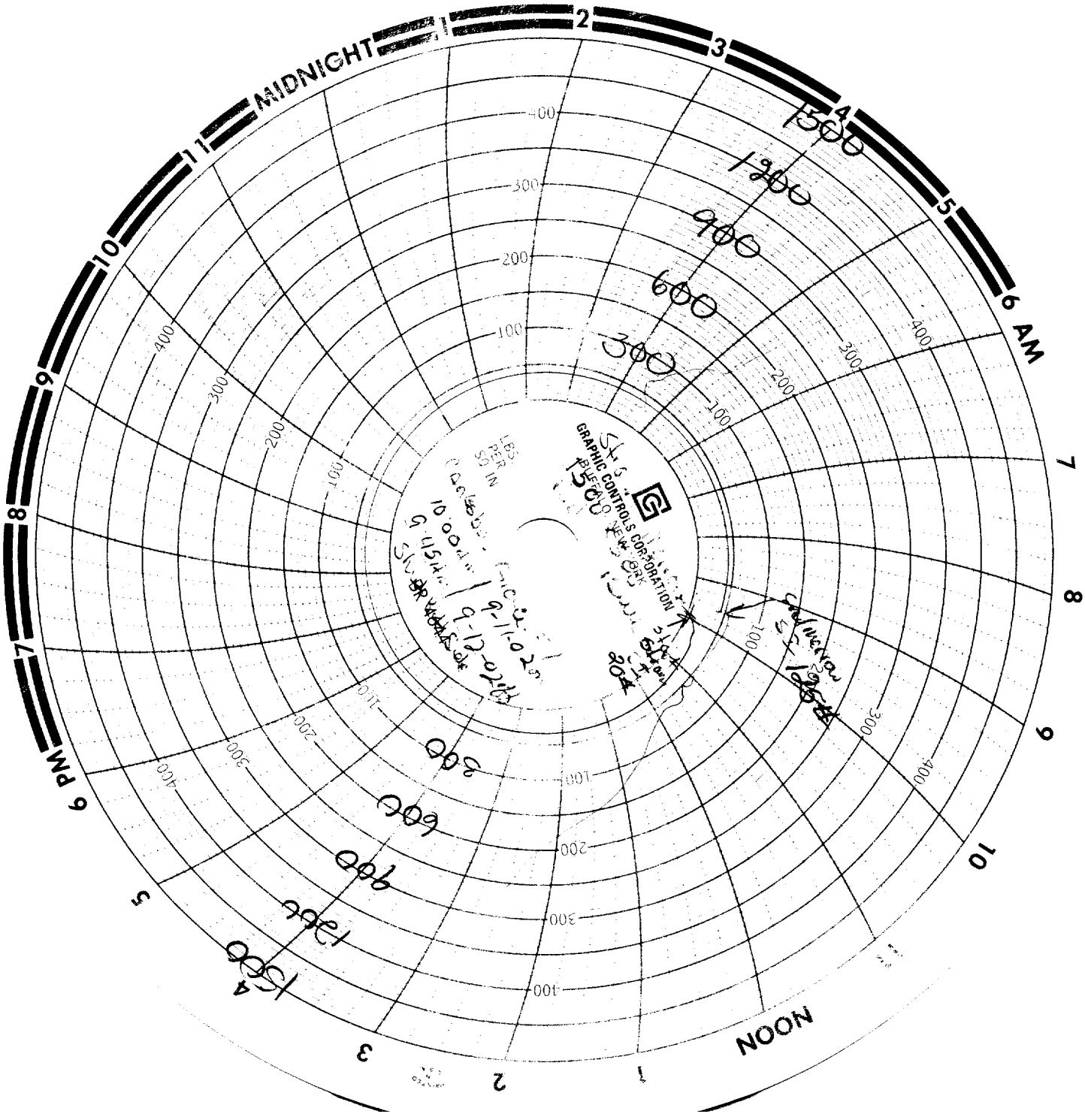
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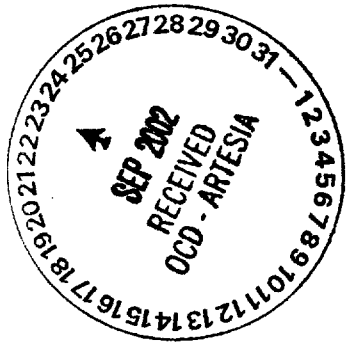

MIDNIGHT
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GRAPHIC CONTROLS CORPORATION
BUFFALO NEW YORK
LBS PER SQ IN
Carbon Steel
Shut Base
11:30 AM 9-9-02
9:30 AM 9-10-02
Red
Blue
Start Strain
Max Strain
Start Strain
Max Strain

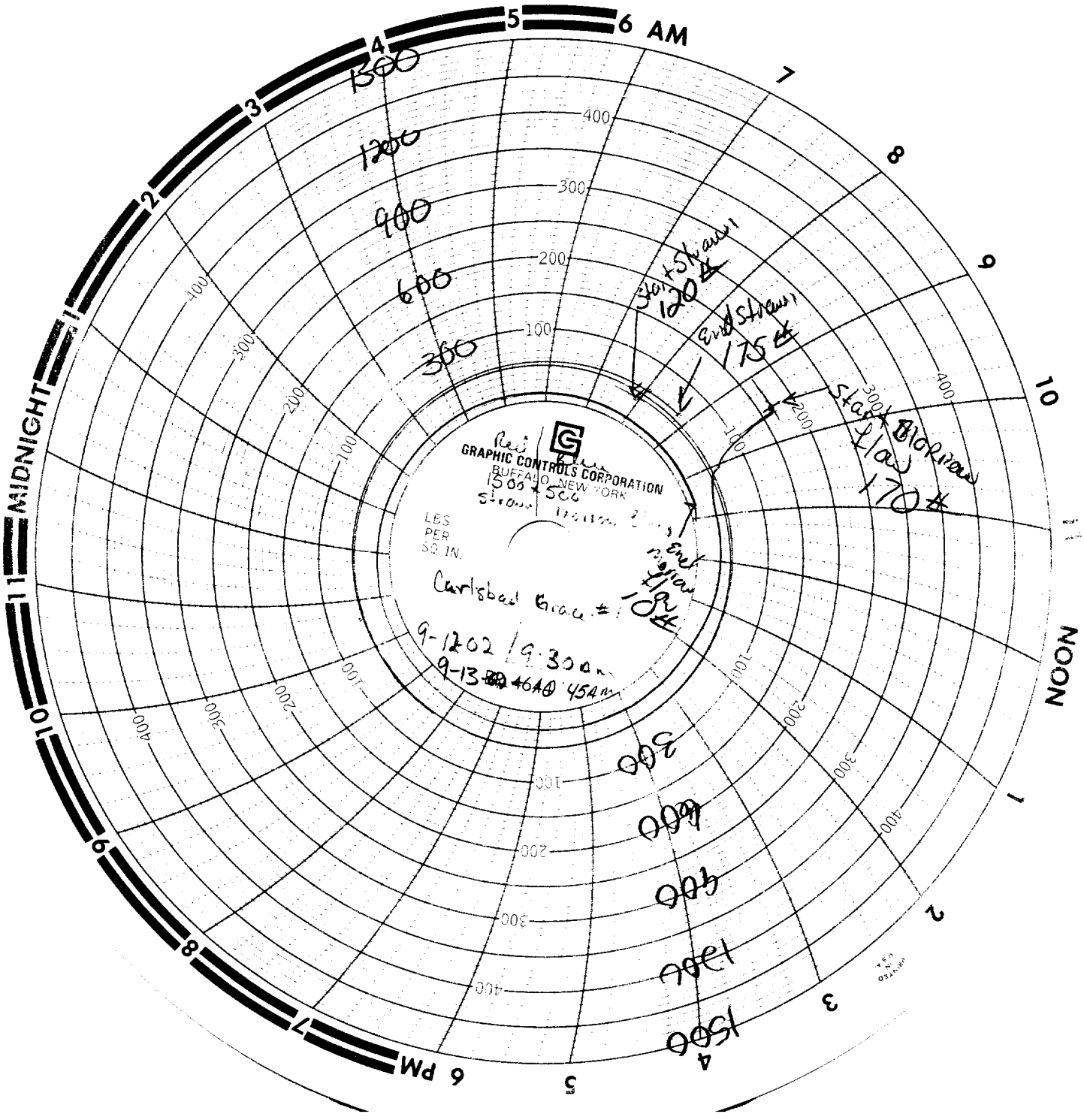

SEP 2002
RECEIVED
OCD - ARTESIA


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SEP 2002
RECEIVED
OCD - ARTESIA


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BUFFALO NEW YORK


SEP 2002
RECEIVED
OCD - ARTESIA


MIDNIGHT
6 AM
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GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK
LBS. PER SQ. IN.
Curtisbest Grade #1
9-1202 / 9:30 am
9-13 464A 454am
Start + Straw
120 #
End Straw
175 #
Start Straw
170 #
End Straw
170 #
1300
1200
900
600
300
1500


SEP 2002
RECEIVED
OCD - ARTESIA

DUAL OR MULTIPLE COMPLETION DATA SHEET

Corinne Grace | Grace Carlsbad #1-I | 36-22-26

Operator | Well | S.T.R.

Order No. MC 1994 Pools S. Carlsbad Strawn
" " Morrow,

PACKER LEAKAGE TEST DATA

Test Date	Approval Date	Test Date	Approval Date
7-3-4-73	10-19-73	8/10-12/87	9/10/87
1/31-2/4-78	2/21/78 Test for '77	9-26-27-88	10-20-88
1-7-11-79	1/19/79 Test for 78	9-13-89	10-10-89
11/26-12/1-79	12/19/79	9-17,18,19-90	9-28-90
11/3-4/80	12/2/80	1-/13-17/92	2-6-92
10/8-9/81	10/19/81	8-17-20-92	10-22-92
8/18-19/82	9/24/82	10-12-93	10-20-93
9/13-14/83	10/17/83		9/9/94
7/22-24/85	8/12/85	12/6/99	12/8/99
10/13-15/86	10/27/86		

Adopted
1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION

PACKER SETTING REPORT

I, John Wilsher (*Name of party making report*), being of lawful age and having full knowledge of the facts hereinbelow set out do state:

That I am employed by Big West Drilling Company in the capacity of Toolpusher, that on April 6, 19 72 I personally supervised the setting of a Baker Lokset Packer (*Make & type of packer*) in Corinne Grace (*Operator of well*), Carlsbad-Grace (*Lease name*), Well no. 1 located in the South Carlsbad field, Eddy county, state of New Mexico, at a subsurface depth of 11,380. feet, said depth measurement having been furnished me by tubing measurements;

That the purpose of setting this packer was to effect a seal in the annular space between two strings of pipe where the packer was set so as to prevent the commingling, in the bore of this well, of fluids produced from a stratum below the packer with fluids produced from a stratum above the packer; that this packer was properly set and that it did, when set, effectively and absolutely seal off the annular space between the two strings of pipe where it was set in such manner as that it prevented any movement of fluids across the packer.

J. E. Wilsher
(Signature)

Toolpusher
(Title)

July 2, 1973
(Date)

RECEIVED

JUL 6 1973

O. C. C.
ARTESIA, OFFICE

Adopted
1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION

PACKER SETTING REPORT

I, John Wilsher (*Name of party making report*), being of lawful age and having full knowledge of the facts hereinbelow set out do state:

That I am employed by Big West Drilling Company in the capacity of Toolpusher, that on April 6, 19 73

I personally supervised the setting of a Baker Model K Double Grip (*Make & type of packer*)

in Corinne Grace (*Operator of well*), Carlsbad-Grace (*Lease name*),

Well no. 1 located in the South Carlsbad field,

Eddy county, state of New Mexico, at a subsurface depth of

10,175 feet, said depth measurement having been furnished me by

tubing Measurements;

That the purpose of setting this packer was to effect a seal in the annular space between two strings of pipe where the packer was set so as to prevent the commingling, in the bore of this well, of fluids produced from a stratum below the packer with fluids produced from a stratum above the packer; that this packer was properly set and that it did, when set, effectively and absolutely seal off the annular space between the two strings of pipe where it was set in such manner as that it prevented any movement of fluids across the packer.

J. E. Wilsher
(Signature)

Toolpusher
(Title)

July 2, 1973
(Date)

RECEIVED

JUL 6 1973

O. C. D.
ARTESIA, OFFICE

OIL CONSERVATION COMMISSION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

March 26, 1973

RECEIVED
MAR 2 8 1973
O. C. C.
ARTESIA, OFFICE

COPY

Mrs. Corinne Grace
P. O. Box 1418
Carlsbad, New Mexico

I have at hand your request of March 16, 1973, to flare an unstated amount of gas for the purpose of testing a new installation of heater-treaters and to run a packer-leakage test on your Carlsbad-Grace #1 E/2 Section 36, Township 22 South, Range 26 East.

We have recently investigated completion practices in the Carlsbad Field area and are aware that it is sometimes necessary to flare unusually large volumes of gas in the process of completing these formations.

We are under increasing pressure to eliminate all possible gas flaring.

I believe you will agree that we must conserve all possible gas because of the increasing value and scarcity, and in this instance the proximity of the flaring to populated areas.

In this case we believe the equipment can be tested into the pipeline and the Commission will not require the packer leakage test until you have a pipeline connection.

I regret that it is necessary to deny this request but, as a conservation agency, we must do so.

Very truly yours,

ELVIS A. UTZ
Gas Engineer

EAU/og

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JUL 5 1972

O. C. C.
ARTESIA, OFFICE

CORINNE GRACE NO. 1 CARLSBAD GRACE

April 6, 1972

Long String	Length	Top Depth	Bottom Depth
Elevation KB - THF	15.18'	-0-	15.18'
Cameron Iron Works dual hanger nipple	0.66	15.18	15.84
2 3/8" OD N-80 EUE 8 RT pup joint	1.73	15.84	17.57
2 3/8" OD CS Hydril pin x 2 3/8" OD EUE 8 RT Box	0.65	17.57	18.22
332 joints 2 3/8" OD N-80 CS Hydril Tubing	10,150.25	18.22	10,168.47
2 3/8" OD EUE 8RT pin x 2 3/8" OD CS Hydril Box	0.65	10,168.47	10,169.12
2 3/8" x 7" OD # 47 C1 Baker Mod "K" Dual Packer	8.30	10,169.12	10,177.42
2 3/8" OD CS Hydril pin x 2 3/8" OD EUE 8 RT Box	0.65	10,177.42	10,178.07
3 joints 2 3/8" OD N-80 CS Hydril Tubing	91.34	10,178.07	10,269.41
2 3/8" OD EUE 8 RT pin x 2 3/8" OD CS Hydril Box	0.65	10,269.41	10,270.06
3.062 x 1.995 Baker Blast Joint W/2 3/8" EUE 8 R	10.05	10,270.06	10,280.11
2 3/8" OD N-80 EUE 8 RT pup joint	10.20	10,280.11	10,290.31
2 3/8" OD CS Hydril pin x 2 3/8" OD EUE 8 RT Box	0.65	10,290.31	10,290.96
3 Joints 2 3/8" OD N-80 CS Hydril Tubing	93.88	10,290.96	10,384.84
2 3/8" OD EUE 8 RT pin x 2 3/8" OD CS Hydril Box	0.65	10,384.84	10,385.49
3.062 x 1.995 Baker Blast Joint w/2 3/8 EUE 8 R	10.05	10,385.49	10,395.54
2 3/8" OD N-80 EUE 8 RT Pup Joint	8.11	10,395.54	10,403.65
2 3/8" OD Ditto	3.95	10,403.65	10,407.60
3.062 x 1.995 Baker Blast Joint w/2 3/8 8 R	10.05	10,407.60	10,417.65
3.062 x 1.995 Ditto	10.05	10,417.65	10,427.70
2 3/8" OD N-80 EUE 8 RT Pup Joint	6.04	10,427.70	10,433.74
2 3/8" OD Ditto	8.12	10,433.74	10,441.86
2 7/8" OD EUE 8 RT pin x 2 3/8" OD EUE 8 R Box	0.42	10,441.86	10,442.28
2 7/8" OD CS Hydril pin x 2 7/8" OD EUE 8 R Box	0.58	10,442.28	10,442.86
3.688 x 2.441 Baker Blast Joint w/CS Hydril Th	19.80	10,442.86	10,462.66
2 3/8" OD EUE 8 RT pin x 2 7/8" OD CS Hydril Box	0.66	10,462.66	10,463.32
2 3/8" OD CS Hydril pin x 2 3/8" OD EUE 8 R Box	0.65	10,463.32	10,463.97
30 Joints 2 3/8" OD N-80 CS Hydril Tubing	910.05	10,463.97	11,374.02
2 3/8" OD EUE 8 RT pin x 2 3/8" OD CS Hydril Box	0.65	11,374.02	11,374.67
3 3/4 x 2 3/8 x 1.87 Baker Mod "FL" Seal Conn.	1.63	11,374.67	11,376.30
2 3/8" x 4 1/2" # 43A Baker Mod. "A-1" Lok-Set Pkr.	3.32	11,376.30	11,379.62
2 3/8" EUE 8 RT Tubing Collar	0.40	11,379.62	11,380.02
Total String	11,380.02		

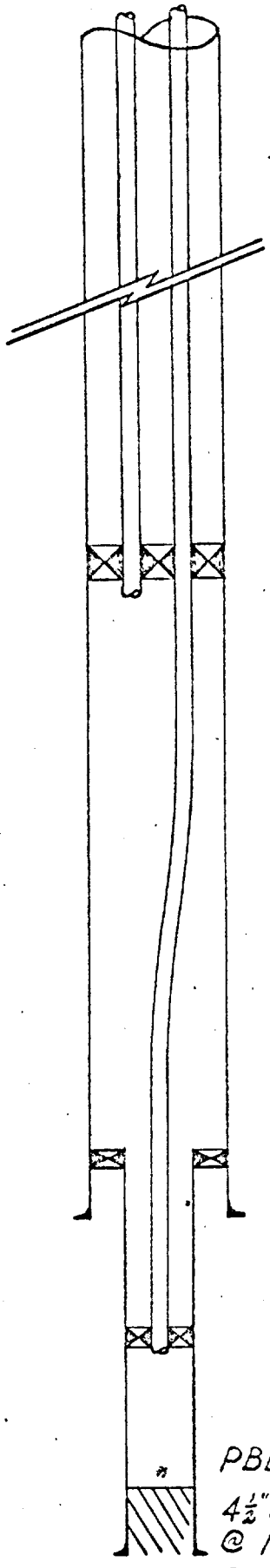
NOTE: Packer set w/6000# weight on Lok-set packer

Short String

Elevation KB - THF	15.18'	-0-	15.18'
Cameron Iron Works - Dual Hanger Nipple	0.66	15.18	15.84
2 3/8" OD N-80 EUE 8 RT Pup Joint	10.05	15.84	25.89
2 3/8" OD Ditto	8.07	25.89	33.96
2 3/8" OD CS Hydril pin x 2 3/8" OD EUE 8 RT Box	0.65	33.96	34.61
338 Joints 2 3/8" OD N-80 CS Hydril Tubing	10,140.60	34.61	10,175.21
Baker Stop Collar	0.44	10,175.21	10,175.65
Baker Model K Snap Collet	1.10	10,175.65	10,176.75
Total String	10,176.75		

NOTE: Collet set in Model "K" packer @ 10,169.12' w/12,000# weight. Model "K" is a short string set dual packer w/hydraulic hold down.

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JUL 5 1972
O. C. C.
ARTESIA, OFFICE



Dual strings of 2 3/8" OD N-80
CS Hydril Tubing

7" OD Baker Model "K" Double Grip
Retrievable Packer #47C1 @ 10,169'

Perforations:
10,270-77'; 10,385-89'; 10,411-14';
10,421-24'; 10,444-58'; 10,484-92'

11,486-88'; 11,490-96'; 11,498-505'; 11,507-09';
11,511-14'; 11,516-22'; 11,524-26'

4½" OD Liner Hanger Packer @ 10,634'
7" OD Casing @ 10,735' Cmtd w/ 335 SX

4½" OD Baker Model "A-1" LOK-SET Packer
#43A @ 11,380'

PBD 11,764'
4½" OD Casing
@ 11,875'
Cmtd w/ 200 sx

STEINHORST OPERATING SYSTEMS, INC.
P. O. BOX 51795 O.C.S. LAFAYETTE, LOUISIANA 70501

CORINNE GRACE
New Mexico State K-6290 No. 1
Section 36 Twp 22S Rge 26E
Eddy County, New Mexico

Date 4-8-72	Scale: None	Drwg No CG-1
		Sheet 1 of 1

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

APPLICATION FOR MULTIPLE COMPLETION

RECEIVED
JUL 5 1972
O. C. C.
ARTESIA, OFFICE

Form C-107
5-1-61

Operator	County	Date
Corinne Grace	Eddy	June 20, 1972
Address	**Lease**	**Well No.**
P. O. Box 1418, Carlsbad, New Mexico	Carlsbad Grace	1

Location of Well	Unit	Section	Township	Range
	1	36	T. 22 S.	R. 26 E.

1. Has the New Mexico Oil Conservation Commission heretofore authorized the multiple completion of a well in these same pools or in the same zones within one mile of the subject well? YES X NO _____

2. If answer is yes, identify one such instance: Order No. MC-1945 ; Operator Lease, and Well No.: Morris Antwell #1 Little Jewel

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Carlsbad South (Strawn)		Carlsbad South (Morrow)
b. Top and Bottom of Pay Section (Perforations)	10,270 - 10,492		11,486 - 11,526
c. Type of production (Oil or Gas)	gas		gas
d. Method of Production (Flowing or Artificial Lift)	flowing		flowing

4. The following are attached. (Please check YES or NO)

Yes	No	
X		a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
X		b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
X		c. Waivers consenting to such multiple completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.*
X		d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed it shall be submitted as provided by Rule 112-A.)

5. List all offset operators to the lease on which this well is located together with their correct mailing address.

Gulf Oil Company, Box 1150, Gulf Building, Midland, Texas 79701

M. R. Antwell, Box 2010, 814 W. Marland, Hobbs, New Mexico

Pennzoil United, Inc., Wall Towers West Bldg., 5th Floor, Midland, Texas 79701

Michael P. & Corinne Grace, P. O. Box 1418, Carlsbad, New Mexico 88220

The Superior Oil Co., Box 1900, 3701 Andrews Hiway, Midland, Texas 79701

Midwest Oil Corp., 1500 Wilco Bldg., Midland, Texas 79701

Cities Service Oil Co., 800 Vaughn Bldg., Midland, Texas 79701

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES X NO _____. If answer is yes, give date of such notification June 20, 1972.

CERTIFICATE: I, the undersigned, state that I am the Operator of XX Corinne & Michael Grace (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Corinne Grace
Signature

*Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard proration unit in one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

Michael P. Grace II
Corinne Grace
P. O. BOX 1418
CARLSBAD, NEW MEXICO 88220

July 1, 1972

RECEIVED
JUL 5 1972
O. C. C.
ARTESIA, OFFICE

Mr. J. E. Kapteina
Petroleum Engineer
Oil Conservation Commission
State of New Mexico
P.O. Box 2088
Santa Fe, New Mexico 87501

RE: Dual Completion
Carlsbad-Grace # 1
Section 36, T22S, R26E
Eddy County, New Mexico

Dear Mr. Kapteina:

Enclosed for the above well are:
1 copy of the Diagrammatic Sketch of the Multiple Completion
Completed form C-107
Plat for well and surrounding leases

Two copies of the above have been sent to the Oil Conservation Commission office in Artesia.

Thank you for your cooperation.

Sincerely yours,

Corinne Grace

Corinne Grace

CG:jj

cc: Mr. William Gressett (2 of each)
Oil Conservation Commission
State of New Mexico
Artesia, New Mexico

CORRECTED COPY

NO. OF COPIES RECEIVED		
DISTRIBUTION		
SANTA FE	1	
FILE	1	
U.S.G.S.	2	
LAND OFFICE	1	
OPERATOR		

Form C-105
Revised 1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED
JUL 7 1972
O. C. C.
ARTESIA, OFFICE

5a. Indicate Type of Lease: State [X] Fee [ ]
5. State Oil & Gas Lease No.: K-6290

1a. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] DRY [ ] OTHER
b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [ ] DEEPEN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] OTHER

7. Unit Agreement Name:
8. Farm or Lease Name: Grace Carlsbad
9. Well No.: 1
10. Field and Pool, or Wildcat: So. Carlsbad Strawn
12. County: Eddy

2. Name of Operator: Corinne Grace
3. Address of Operator: ~~P. O. Box 1418 Carlsbad, New Mexico~~
4. Location of Well: UNIT LETTER I LOCATED 1980 FEET FROM THE South LINE AND 660 FEET FROM THE East LINE OF SEC. 36 TWP. 22S RGE. 26E NMPM

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Cashinghead
2/11/72	4/2/72	5/4/72	3207.8	

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
11,875	11,371		→	11875	

24. Producing Interval(s), of this completion — Top, Bottom, Name: 10,270- 10,492 Strawn
25. Was Directional Survey Made: Yes

26. Type Electric and Other Logs Run: Micro-Laterolog Laterolog BHC Acoustilog
27. Was Well Cored: no

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8	48#	382	17	400 sks Class "H"	
9 5/8	40# & 36#	5200	12 1/4	1050 sacks & 150 sks Cl. "C"	
7	26# & 23#	10735	8 3/4	335 Class "H"	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
4 1/2	10634	11,875	200	

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8	10175	10169

31. Perforation Record (Interval, size and number)

perf's 10,270-277 (12 shots)
10,385-89 7 shots
10,421-24 6 shots
10,411-14 6 shots
10,444-58 26 shots
~~10,484-92 16 shots~~

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
None	None

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping — Size and type pump)	Well Status (Prod. or Shut-in)
		Shut-in

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas — Oil Ratio
5/4/72	4			40	* 2669.0	None	24944

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)
1716	Pkr.		* From last rate 4 point test			54

34. Disposition of Gas (Sold, used for fuel, vented, etc.): To be sold CAOF 3300
Test Witnessed By: John Wilsher

35. List of Attachments

36. 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.

SIGNED Juanita R. Bign TITLE Agent DATE 7/1/72

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission 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 30 through 34 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				Northwestern New Mexico			
T. Anhy		T. Canyon		T. Ojo Alamo		T. Penn. "B"	
T. Salt		T. Strawn		T. Kirtland-Fruitland		T. Penn. "C"	
B. Salt		T. Atoka		T. Pictured Cliffs		T. Penn. "D"	
T. Yates		T. Miss		T. Cliff House		T. Leadville	
T. 7 Rivers		T. Devonian		T. Menefee		T. Madison	
T. Queen		T. Silurian		T. Point Lookout		T. Elbert	
T. Grayburg		T. Montoya		T. Mancos		T. McCracken	
T. San Andres		T. Simpson		T. Gallup		T. Ignacio Qtzte	
T. Glorieta		T. McKee		Base Greenhorn		T. Granite	
T. Paddock		T. Ellenburger		T. Dakota		T.	
T. Blinebry		T. Gr. Wash		T. Morrison		T.	
T. Tubb		T. Granite		T. Todilto		T.	
T. Drinkard		T. Delaware Sand		T. Entrada		T.	
T. Abo		T. Bone Springs		T. Wingate		T.	
T. Wolfcamp		T.		T. Chinle		T.	
T. Penn.		T.		T. Permian		T.	
T Cisco (Bough C)		T.		T. Penn. "A"		T.	

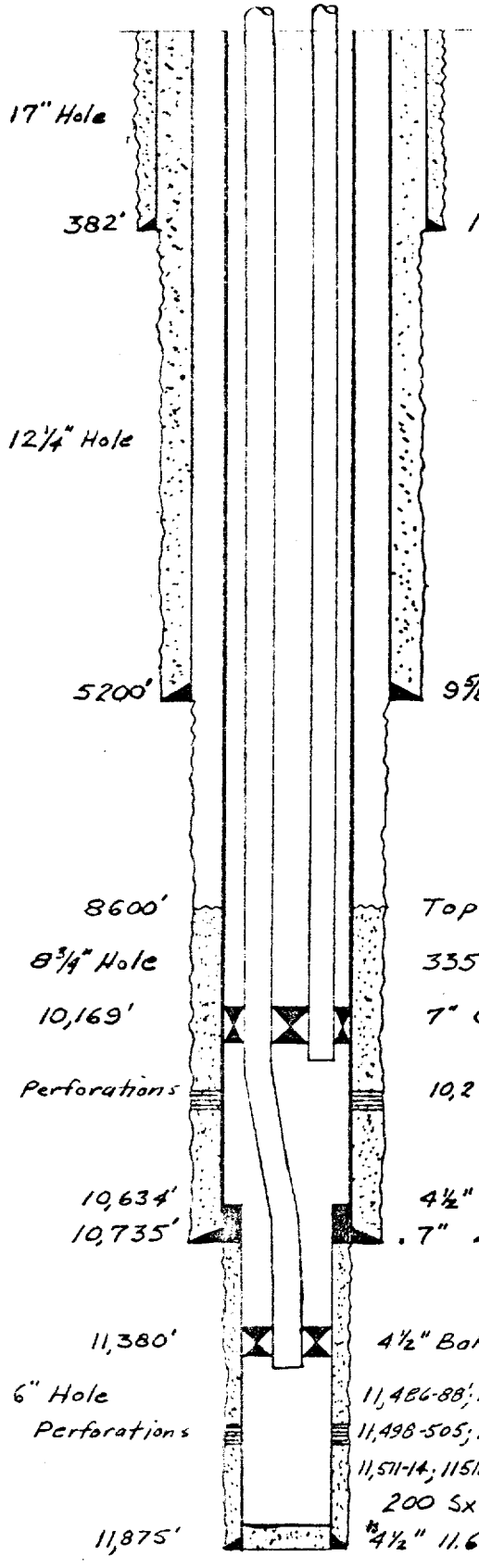
FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	500	500	Surface Sand & Shale				
500	1680	1180	Salt-Anhy.				
1680	2050	370	Lime and Sand				Lamar Lime 1828
2050	4100	2050	Sand				Delaware Sand 1975
4100	5200	1100	Lime, Sand, Shale				Bone Spring 5340
5200	6280	1080	Lime and shale				1st Bone Spring sand 6268
6280	6800	520	Sand and shale				2nd Bone Spring Sand 6803
6800	7790	990	Lime and shale				3rd Bone Spring Sand 8356
7790	8120	330	Sand and shale				Wolfcamp 8740
8120	9030	910	Lime and shale				Cisco-Canyon 9945
9030	9550	520	Shale and Lime				Strawn 10257
9550	10257	707	Shale Sand & Lime				Atoka 10578
10257	10850	610	Lime and shale				Morrow 11115
10850	11050	200	Limestone and shale				Barnett 11820
11050	11100	50	Shale & Lime				
11100	11350	250	Lime and shale				
11350	11420	70	Lime and shale				
11420	11875	455	Lime and shale				

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JUL 5 1972

O. C. C.
ARTESIA, OFFICE



17" Hole — 400 Sx Class H Circulated

382' — 13 3/8" 48 #/ft

12 1/4" Hole — 1050 Sx. Class H + 150 Sx Class C Circulated

5200' — 9 5/8" 36 & 40 #/ft

TUBING:
2 Strings of 2 3/8" CS
HYDRIL N-80
SS = 10,175'
LS = 11,380'

8600' — Top of Cement

8 3/4" Hole — 335 Sx Class H

10,169' — 7" OD Baker Model "K" Double Grip Packer

Perforations — 10,270-77'; 10,385-89'; 10,411-14'; 10,421-24; 10,444-58'; 10,484-92'

10,634' — 4 1/2" 11.6 #/ft Liner Top

10,735' — 7" 23 & 26 #/ft.

11,380' — 4 1/2" Baker Model A-1 LoK-Set Packer

6" Hole Perforations — 11,486-88'; 11,490-96'; 11,498-505; 11,507-09'; 11,511-14; 11,516-22'; 11,524-26

200 Sx Class H

11,875' — 4 1/2" 11.6 #/ft Liner

PBTD 11,764'

STEINHORST OPERATING SYSTEMS, INC.
P. O. BOX 81795 O.C.S. LAFAYETTE, LOUISIANA 70501

CORINNE GRACE

NEW MEXICO STATE K-6200 No. 1

SEC. 36 T22S R26E

EDDY COUNTY NEW MEXICO

Date: 4-8-72	Scale: NONE	Drwg No CG-1
		Sheet 1 of 1

Michael P. Grace II
Corinne Grace
P. O. BOX 1418
CARLSBAD, NEW MEXICO 88220

July 1, 1972

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JUL 5 1972
O. C. C.
ARTESIA, OFFICE

Mr. J. E. Kapteina
Petroleum Engineer
Oil Conservation Commission
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87501

RE: Dual Completion
Carlsbad-Grace # 1
Section 36, T22S, R26E
Eddy County, New Mexico

Dear Mr. Kapteina:

Enclosed for the above well are two (2) copies of the Diagrammatic Sketch of the multiple completion including the additional information.

Sincerely yours,

Corinne Grace

Corinne Grace

CG:jj

cc: Oil Conservation Commission, Artesia, New Mexico (2)
Gulf Oil Co.
M. R. Antweil,
Pennzoil United, Inc.
The Superior Oil Co.
Midwest Oil Corp.
Cities Service Oil Co.
Michael & Corinne Grace

NC 1474
7-12-72

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NEW MEXICO OIL CONSERVATION COMMISSION
MAY 5 1972

O. C. C.
ARTESIA, OFFICE

Form C-103
Supersedes Old C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease: State [x] Fee [ ]

5. State Oil & Gas Lease No. K-6290

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT —" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL [ ] GAS WELL [x] OTHER-

7. Unit Agreement Name

2. Name of Operator: Corinne Grace ✓

8. Farm or Lease Name: Grace-Carlsbad

3. Address of Operator: P.O. Box 1418 Carlsbad, New Mexico

9. Well No. 1

4. Location of Well: UNIT LETTER I, 1980 FEET FROM THE South LINE AND 660 FEET FROM THE East LINE, SECTION 36 TOWNSHIP 22 S RANGE 26E NMPM.

10. Field and Pool, or Wildcat: Strawn

15. Elevation (Show whether DF, RT, GR, etc.): 3207.8

12. County: Eddy

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK [ ]	PLUG AND ABANDON [ ]	REMEDIAL WORK [ ]	ALTERING CASING [ ]
TEMPORARILY ABANDON [ ]		COMMENCE DRILLING OPNS. [ ]	PLUG AND ABANDONMENT [ ]
PULL OR ALTER CASING [ ]	CHANGE PLANS [ ]	CASING TEST AND CEMENT JOB [ ]	
OTHER [ ]		OTHER Progress Report	[x]

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Perf's. 10,270-10,277	12 shots
10,385-89	7 shot
10,421-24	6 shots
10,411-14	6 shots
10,444-58	26 shots
10,484-92	16 shots

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Juanita Jones TITLE Agent DATE 5/5/72

APPROVED BY W. A. Gressett TITLE OIL AND GAS INSPECTOR DATE SEP 6 1972

CONDITIONS OF APPROVAL, IF ANY:

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O. C. C.

ARTESIA, OFFICE

Form C-103
Supersedes Old C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State [X] Fee [ ]

5. State Oil & Gas Lease No.
K-6290

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT —" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL [ ] GAS WELL [X] OTHER-

7. Unit Agreement Name

2. Name of Operator
Corinne Grace

8. Farm or Lease Name
Grace ~~Atlantic~~ Carlsbad

3. Address of Operator
P. O. Box 1418 Carlsbad, New Mexico

9. Well No.
1

4. Location of Well
UNIT LETTER I , 1980 FEET FROM THE South LINE AND 660 FEET FROM THE East LINE, SECTION 36 TOWNSHIP 22S RANGE 26E NMPM.

10. Field and Pool, or Wildcat
Wildcat Strawn

15. Elevation *(Show whether DF, RT, GR, etc.)*
3207.8

12. County
Eddy

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK [ ]	PLUG AND ABANDON [ ]	REMEDIAL WORK [ ]	ALTERING CASING [ ]
TEMPORARILY ABANDON [ ]		COMMENCE DRILLING OPNS. [ ]	PLUG AND ABANDONMENT [ ]
PULL OR ALTER CASING [ ]	CHANGE PLANS [ ]	CASING TEST AND CEMENT JOB [ ]	
OTHER [ ]		OTHER Progress Report [ ]	

17. Describe Proposed or Completed Operations *(Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work)* SEE RULE 1103.

Acidized the Strawn with 5000 gal. mod 202 atomized with nitrogen
10270-10492

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Juanita R. Ross TITLE Agent DATE March 23, 1973

APPROVED BY W. A. Gressett TITLE OIL AND GAS INSPECTOR DATE MAR 30 1973

CONDITIONS OF APPROVAL, IF ANY:

~~AMENDED~~ COPY

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Form C-105
Revised 1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED
MAR 30 1973
O. C. C.
ARTESIA, OFFICE

Bur of Mines 1

5a. Indicate Type of Lease: State [X] Fee [ ]

5. State Oil & Gas Lease No.: K-6290

1a. TYPE OF WELL

b. TYPE OF COMPLETION: OIL WELL [ ] GAS WELL [X] DRY [ ] OTHER ____ NEW WELL [X] WORK OVER [ ] DEEPEN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] OTHER

7. Unit Agreement Name:

8. Farm or Lease Name: Grace-Carlsbad

2. Name of Operator: Corinne Grace

9. Well No.: 1

3. Address of Operator: P. O. Box 1418, Carlsbad, New Mexico

10. Field and Pool, or Wildcat: ~~Undesignated~~ Strawn

4. Location of Well

UNIT LETTER I LOCATED 1980 FEET FROM THE South LINE AND 660 FEET FROM THE East LINE OF SEC. 36 TWP. 22S RGE. 26E NMPM

12. County: Eddy

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Cashinghead
2/11/72	4/2/72	5/4/72	3207.8	

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
11,875	~~11,371~~ 11761	2	→	11875	

24. Producing Interval(s), of this completion — Top, Bottom, Name: 10,270 - 10,492 Strawn

25. Was Directional Survey Made: Yes

26. Type Electric and Other Logs Run: Micro-Laterolog Laterolog BHC Acoustilog

27. Was Well Cored: No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8	48#	350	17 1/2	400 sack "H"	circl
9 5/8	40# & 36#	5200	12 1/4	1050 sks. & 150 sks cl. "C"	
7	26# & 23#	10727	8 3/4	335 Class "H"	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
4 1/2	10,630	11,875	200	

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8	10165	10175

31. Perforation Record (Interval, size and number)

Perf's 10,270-277 10484-92
10,385-89
10,421-24
10,411-14
10,444-58

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
10,270-10492	5000 gal Mod 202 atomized w/nitrogen

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping — Size and type pump)	Well Status (Prod. or Shut-in)
		Shut in

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas — Oil Ratio
7/8/72	4			14.4	*9886	0	434097

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)
1652	Pkr.		* Calculated	from lastrate 4-point test		

34. Disposition of Gas (Sold, used for fuel, vented, etc.): To Be Sold CAOF 9886

Test Witnessed By

35. List of Attachments: Logs listed above

36. 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.

SIGNED Juanita R. Jones TITLE Agent DATE March 27, 1973

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission 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 30 through 34 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				Northwestern New Mexico			
T. Anhy		T. Canyon		T. Ojo Alamo		T. Penn. "B"	
T. Salt		T. Strawn		T. Kirtland-Fruitland		T. Penn. "C"	
B. Salt		T. Atoka		T. Pictured Cliffs		T. Penn. "D"	
T. Yates		T. Miss		T. Cliff House		T. Leadville	
T. 7 Rivers		T. Devonian		T. Menefee		T. Madison	
T. Queen		T. Silurian		T. Point Lookout		T. Elbert	
T. Grayburg		T. Montoya		T. Mancos		T. McCracken	
T. San Andres		T. Simpson		T. Gallup		T. Ignacio Qtzte	
T. Glorieta		T. McKee		Base Greenhorn		T. Granite	
T. Paddock		T. Ellenburger		T. Dakota		T.	
T. Blinebry		T. Gr. Wash		T. Morrison		T.	
T. Tubb		T. Granite		T. Todilto		T.	
T. Drinkard		T. Delaware Sand		T. Entrada		T.	
T. Abo		T. Bone Springs		T. Wingate		T.	
T. Wolfcamp		T.		T. Chinle		T.	
T. Penn.		T.		T. Permian		T.	
T Cisco (Bough C)		T.		T. Penn. "A"		T.	

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	500	500	surface sand & shale				
500	1680	1180	Salt-anhy				
1680	2050	370	Lime and sand				
2050	4100	2050	Sand		Lamar Lime		1828
4100	5200	1100	Lime, sand, shale		Delaware Sand		1975
5200	6280	1080	Lime and shale		Bone Spring		5340
6280	6800	520	Sand & shale		1st Bone Spring Sand		6268
6800	7790	990	Lime and shale		2nd Bone Spring Sand		6803
7790	8120	330	Sand & shale		3rd Bone Spring Sand		8356
8120	9030	910	Lime & shale		Wolfcamp		8740
9030	9550	520	Shale & lime		Cisco-Canyon		9945
9550	10257	707	Shale sand & Lime		Strawn		10257
10257	10850	610	Lime & shale		atoka		10578
10850	11050	200	Limestone & shale		morrow		11115
11050	11100	50	shale & lime		Barnett		11820
11100	11350	250	Lime & shale				
11350	11420	70	" "				
11420	11875	455	" "				

TIME	CUM. HRS./ MIN.
9:00 A.M. 7-8-72	00 HRS 00 MIN.
9:45	00 45
10:00	01 00
10:45	01 45
11:00	02 00
11:45	02 45
NOON	03 00
12:45 P.M.	03 45
1:00	04 00
1:45	04 45

P. S. I. @ 10,150 FEET.

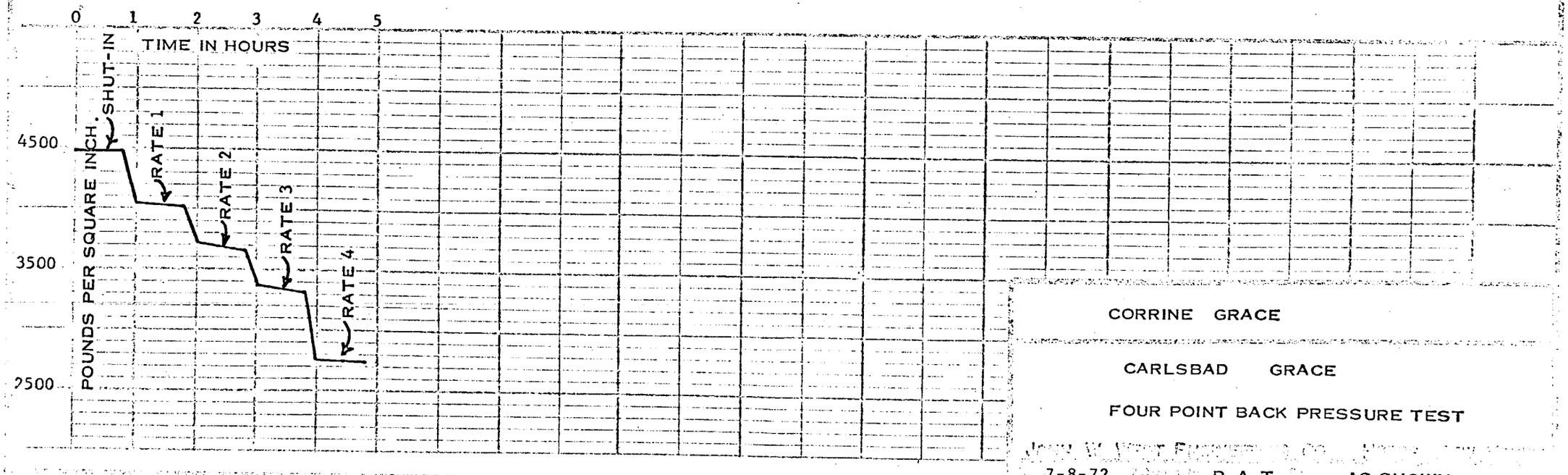
4220 GUAGE REACHED 10,150 FEET.
4220
4039 RATE 1
4025 END 1 ST. RATE
3710 RATE 2
3650 END 2 ND. RATE
3371 RATE 3
3322 END 3 RD. RATE
2796 RATE 4
2747 END 4 TH. RATE GUAGE OUT END TEST

TEST DATE: JULY 8, 1972
TEST DEPTH: 10,150 FEET.

ELEMENT NO. 7542 - N
RANGE: 0--6950#

CLOCK NO. 782
RANGE: 0 - 12 HRS.

TEST OPERATOR DON TYSON



CORRINE GRACE

CARLSBAD GRACE

FOUR POINT BACK PRESSURE TEST

7-8-72 D.A.T. AS SHOWN

Copy to SF

NEW MEXICO OIL CONSERVATION COMMISSION

RECEIVED

Form C-102

MAR 30 1973

WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section.

Operator	Lease	Well No.
CORINNE GRACE	GRACE-CARLSBAD, U. S.	1

Unit Letter	Section	Township	Range	County
I	36	22 SOUTH	26 EAST	ARTESIA, OFFICE. EDDY

Actual Footage Location of Well:
1980 feet from the SOUTH line and 660 feet from the EAST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3207.8	STRAWN	~~Undes.~~ South Carlsbad Strawn	320 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

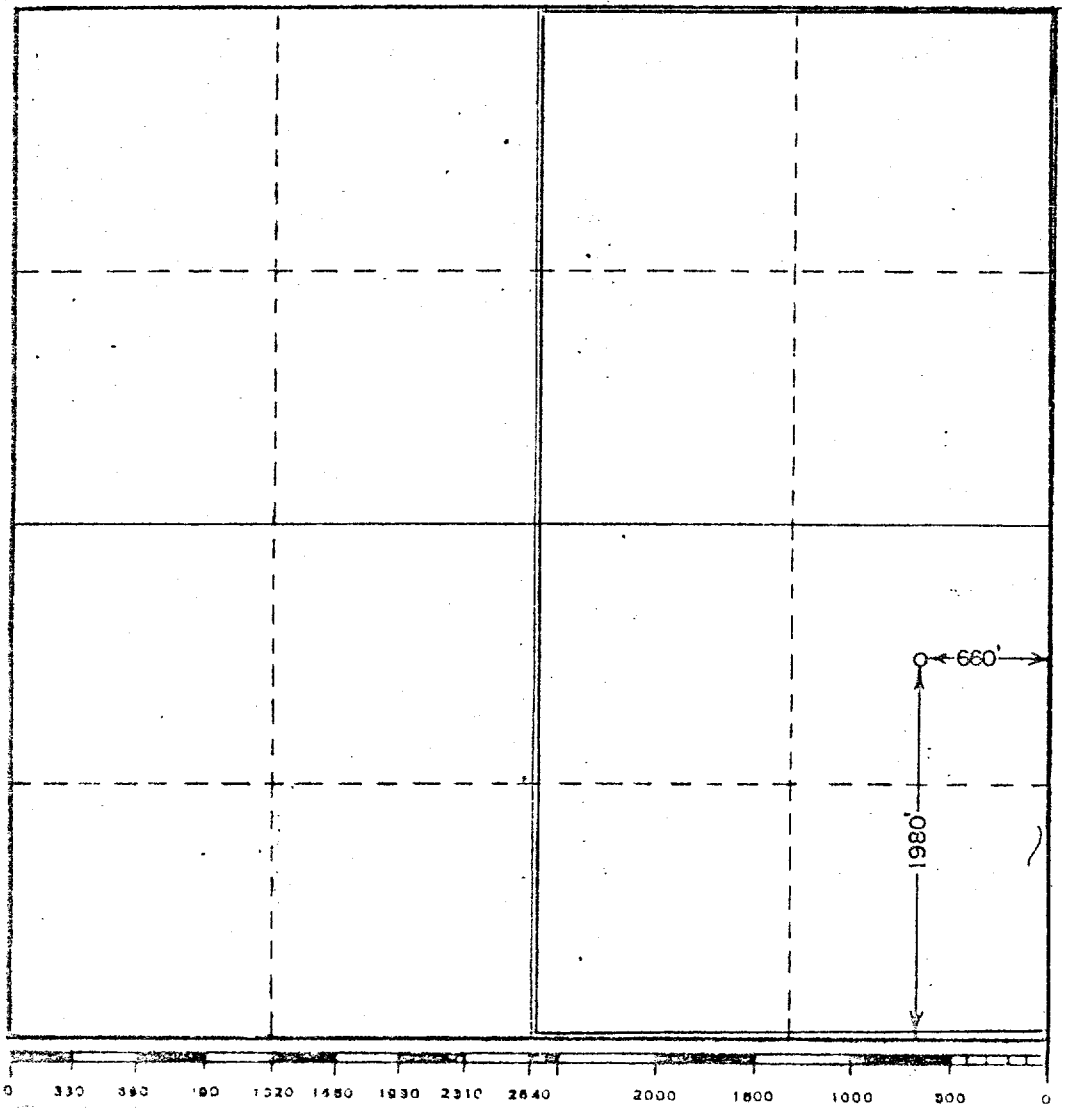
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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 ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name: Donna Hales

Position: Agent

Company: Corinne Grace

Date: February 8, 1972

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: FEBRUARY 7, 1972

Registered Professional Engineer and/or Land Surveyor: John W. West

Certificate No.: 676

FORM 2448

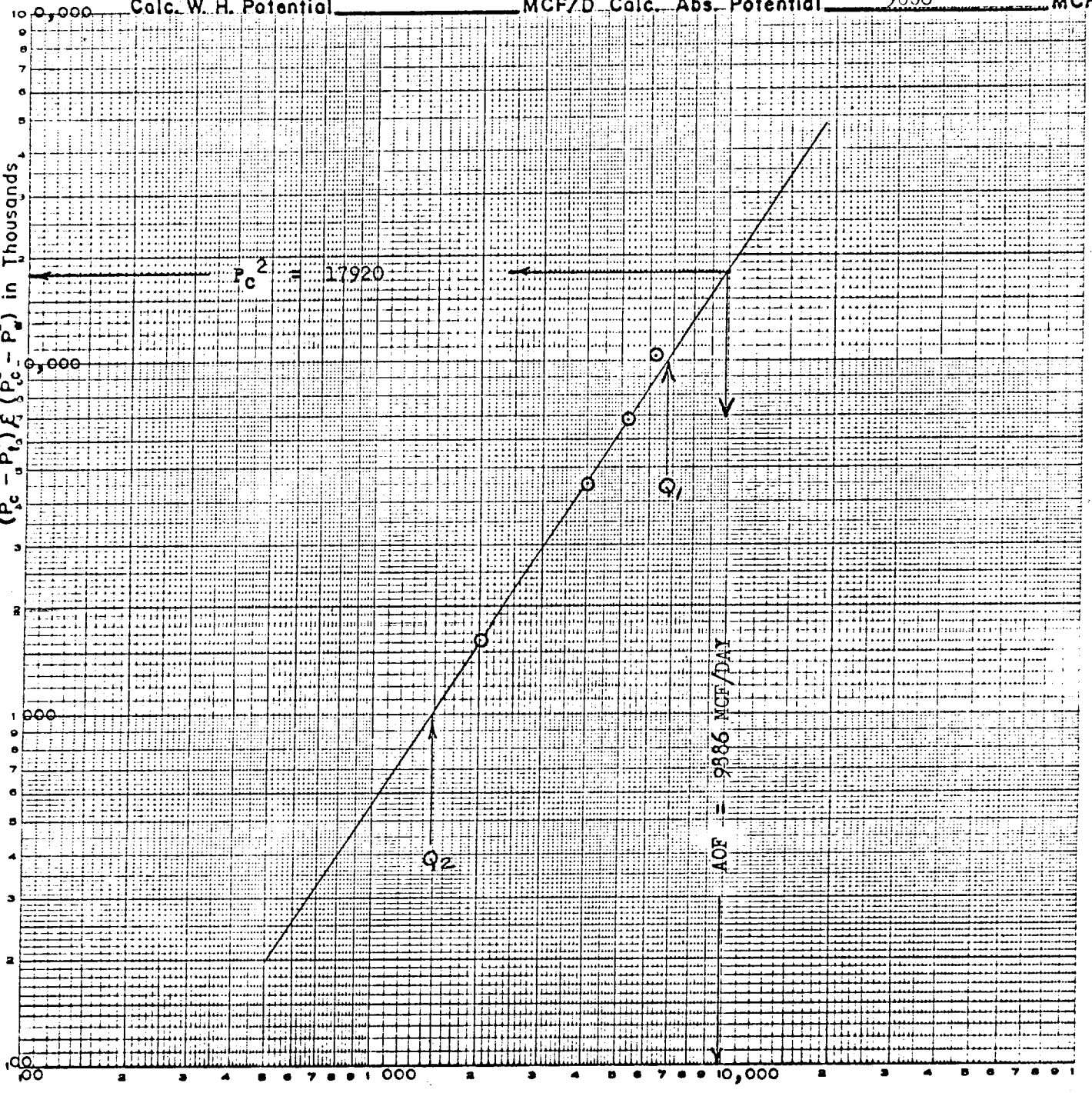
BACK PRESSURE CURVE

Operator CORINNE GRACE Lease GRACE-CARLSBAD Well No. 1

County EDDY Field SOUTH CARLSBAD Location I 36-22S-26E

Date of Test 7-8-72 Slope "n" _____ W. H. 0.661 Abs.

Calc. W. H. Potential _____ MCF/D Calc. Abs. Potential 9886 MCF/D



Slope (n) = Q_1 = 6750 = 7.8229813
Q_2 = 1475 = 7.1687920
0.6605118

EUGENE DIETZGEN CO. MADE IN U. S. A.

NO. 341-L33 DIETZGEN GRAPH PAPER LOGARITHMIC 3 CYCLES X 3 CYCLES

Copy to SF
C-122

NEW MEXICO OIL CONSERVATION COMMSSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
MAR 22 1973
O. C. C.
ARTESIA, OFFICE

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 7-8-72	
Company: CORINNE GRACE	Connection: NONE			Unit
Pool: SCUTH CARLSBAD	Formation: STRAWN			
Completion Date: 5-4-72	Total Depth: 11875	Plug Back TD: 11761	Elevation: 3207.8 GL	Farm or Lease Name: GRACE - CARLSBAD
Csg. Size: 4-1/2" Wt. 23, ~~11.50~~ 26 10.50 d:	Set At: 10735	Perforations: From 10270 To 10492		Well No.: 1
Tbg. Size: 2-3/8" Wt.: 4.7 d:	Set At: 10169	Perforations: From ~~10270~~ To ~~10492~~		Unit: I Sec.: 36 Twp.: 22S Rge.: 26E
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: GAS GAS DUAL		Packer Set At: 10169		County: Eddy
Producing Thru: Tubing	Reservoir Temp. °F: 175 @ 10150	Mean Annual Temp. °F: 60	Baro. Press. – P_a: 13.2	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
10169	10169	0.652 EST.	0.44 EST.	0.74 EST.	-0-		4"	Flange

	FLOW DATA					TUBING DATA		CASING DATA		
NO.	Prover Line Size	X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI						3118.0		CHOKE		
1.	4"	x 2.25"	525.0	7.0	76	2936.0	78	14/64"		1.0
2.	4"	x 2.25"	535.0	28.0	80	2564.0	77	22/64"		1.0
3.	4"	X 2.25"	545.0	45.0	78	2215.0	78	28/64"		1.0
4.	4"	x 2.25"	525.0	69.0	86	1652.0	78	38/64"		1.0
5.										

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	25.64	61.38	538.2	.9850	1.238	1.051	2017
2.	25.64	123.90	548.2	.9813	1.238	1.051	4056
3.	25.64	158.49	558.2	.9831	1.238	1.053	5208
4.	25.64	192.72	538.2	.9759	1.238	1.047	6251
5.							

NO.	P_t	Temp. °R	T_r	Z
1.	.80	536	1.43	.906
2.	.82	540	1.44	.906
3.	.83	538	1.43	.902
4.	.80	546	1.46	.912
5.				

Gas Liquid Hydrocarbon Ratio 434 Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons ____ Deg.
Specific Gravity Separator Gas ____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX ____
Critical Pressure 670 P.S.I.A. ____ P.S.I.A.
Critical Temperature 375 R ____ R

P_c 4233.2 P_c^2 17920

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		4038.2	16307	1613
2		3663.2	13419	4501
3		3335.2	11124	6796
4		2760.2	7619	10301
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.6368$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.8982$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 9886$

Absolute Open Flow 9886 Mcfd @ 15.025 | Angle of Slope θ 56.5 | Slope, n 0.661

Remarks: BHP's measured with Amerada bomb at 10150'.
Third rate of flow used to calculate AOF

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	D. Tyson	R. West	

OIL CONSERVATION COMMISSION

BOX 1980

HOBBS, NEW MEXICO

RECEIVED

APR 26 1973

O. C. C.
ARTESIA, OFFICE

NOTICE OF GAS CONNECTION

DATE April 23, 1973

This is to notify the Oil Conservation Commission that connection for the purchase of gas from the Corinne Grace (Operator), Grace Carlsbad (Lease), #1(Strawn) I (Well Unit), 36-22-26 (S.T.R.), South Carlsbad Strawn (Pool), 61-331-01 (Meter Code), 18998-7 (Site Number), El Paso Nat. Gas Co. (Name of Purchaser), was made on April 16, 1973.

El Paso Natural Gas Company
Purchaser

Travis R. Elliott
Representative

Travis R. Elliott
Gas Production Status Analyst
Title

TRE: bl

cc: To operator
Oil Conservation Commission - Santa Fe

Oil Conservation Commission - Artesia (2)
Proration
H. P. Logan
T.J. Crutchfield
File

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TRANSPORTER GAS	1	
OPERATOR	2	
PRORATION OFFICE		

NEW MEXICO OIL CONSERVATION COMMISSION

REQUEST FOR ALLOWABLE

AND

AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

RECEIVED

APR 12 1973

O. C. C.
ARTESIA, OFFICE

Form C-104
Supersedes Old C-104 and C-110
Effective 1-1-65

I. Operator: Corinne Grace

Address: P. O. Box 1418, Carlsbad, New Mexico 88220

Reason(s) for filing *(Check proper box)*: New Well [X]; Recompletion [ ]; Change in Ownership [ ]; Change in Transporter of: Oil [ ], Dry Gas [ ], Casinghead Gas [ ], Condensate [ ]

Other *(Please explain)*:

If change of ownership give name and address of previous owner: _____

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Grace-Carlsbad	1	Golden, Carlsbad Strawn Gas	State, Federal or Fee: State	K-6290

Location: Unit Letter I; 1980 Feet From The South Line and 660 Feet From The East

Line of Section 36 Township 22S Range 26E, NMPM, Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil [ ] or Condensate [X]	Address *(Give address to which approved copy of this form is to be sent)*
Permian Corporation	P.O.Box 1183 Houston, Texas 77001
Name of Authorized Transporter of Casinghead Gas [ ] or Dry Gas [ ]	Address *(Give address to which approved copy of this form is to be sent)*
El Paso Natural Gas Company	El Paso Nat'l Gas. Bldg., El Paso, Texas

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	I	36	22S	26E	No yes	4-16-73

If this production is commingled with that from any other lease or pool, give commingling order number: _____

IV. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Resv.	Diff. Resv.
		X	X					

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
2/12/72	5/4/72	11,875	11,375

Elevations *(DF, RKB, RT, GR, etc.)*	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
3207.8	Strawn	10,270	10166

Perforations	Depth Casing Shoe
10,270-277, 10,385-69, 10,421-24, 10411-14, 10444-58 10484-92	10727

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
17 1/2	13 3/8	350	400 sack "C"
12 1/4	9 5/8	5200	1050 sks & 150 sks "C"
8 3/4	7	10727	335 Class "H"
	4 1/2	11,875	200

V. TEST DATA AND REQUEST FOR ALLOWABLE *(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)*

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-Bbls.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
5208	4 hrs.	14.4	54
Testing Method *(pitot, back pr.)*	**Tubing Pressure** *(Shut-in)*	**Casing Pressure** *(Shut-in)*	**Choke Size**
back pressure	3118.0	Pkr.	variable

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Kenneth R. Peters
(Signature)

Agent
(Title)

April 9, 1973
(Date)

OIL CONSERVATION COMMISSION

APPROVED APR 26 1973, 19____

BY W. A. Gressett

TITLE OIL AND GAS INSPECTOR

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply

NO. OF COPIES RECEIVED	5	
DISTRIBUTION		
SANTA FE	1	
FILE	1	✓
U.S.G.S.		
LAND OFFICE		
TRANSPORTER OIL	1	
TRANSPORTER GAS	1	
OPERATOR	1	
PRORATION OFFICE		

NEW MEXICO OIL CONSERVATION COMMISSION

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

RECEIVED

MAY 7 1973

O. C. C.
ARTESIA, OFFICE

Form C-104
Supersedes Old C-104 and C-110
Effective 1-1-65

I.

Operator: Corinne Grace

Address: P. O. Box 1418 Carlsbad, New Mexico 88220

Reason(s) for filing *(Check proper box)*

New Well ☐
Recompletion ☐
Change in Ownership ☐
Change in Transporter of:
Oil ☐ Dry Gas ☐
Casinghead Gas ☐ Condensate ☒

Other *(Please explain)*: FROM PERMIAN.

If change of ownership give name and address of previous owner _____

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Grace - Carlsbad ~~Grace~~	1	South Carlsbad Strawn	State, Federal or Fee State	K-6290

Location

Unit Letter I ; 1980 Feet From The South Line and 660 Feet From The East

Line of Section 36 Township 22S Range 26E , NMPM, Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☒	Address *(Give address to which approved copy of this form is to be sent)*
Navajo Crude Oil Purchasing Co.	P.O. Drawer 175, Artesia, New Mexico 88210
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☐	Address *(Give address to which approved copy of this form is to be sent)*
El Paso Nat. Gas Co.	El Paso Natural Gas Co. El Paso, Texas

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	I	36	22	26	yes	4 10 73

If this production is commingled with that from any other lease or pool, give commingling order number: _____

IV. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Elevations *(DF, RKB, RT, GR, etc.)*	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Perforations			Depth Casing Shoe

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

V. TEST DATA AND REQUEST FOR ALLOWABLE

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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 - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method *(pitot, back pr.)*	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Juanita L. Jones
(Signature)
Agent
(Title)
May 6, 1973
(Date)

OIL CONSERVATION COMMISSION

APPROVED MAY 8 1973, 19____

BY W. A. Gressett

TITLE OIL AND GAS INSPECTOR

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply

RECEIVED

MAY 2 4 1973

NEW MEXICO
OIL CONSERVATION COMMISSION
P. O. BOX 2088
SANTA FE, NEW MEXICO

GAS SUPPLEMENT NO. (NW) (SE) AR-125 DATE 4/26/73

NOTICE OF WELL CONNECTION OR AUTHORITY TO ASSIGN ALLOWABLE
ALL VOLUMES EXPRESSED IN MCF

The operator of the following well has complied with all the requirements of the Oil Conservation Commission and may be assigned an allowable as shown below.

Date of Connection 4/16/73 Date of First Allowable or Allowable Change 4/16/73
Purchaser El Paso Natural Gas Co. Pool South Carlsbad Strawn
Operator Corinne Grace Lease Grace Carlsbad
Well No. 1 Unit Letter I Sec. 36 Twp. 22 Rnge. 26
Dedicated Acreage 320 Revised Acreage Difference
Acreage Factor 1.00 Revised Acreage Factor Difference
Deliverability Revised Deliverability Difference
A x D Factor Revised A x D Factor Difference

New Connection

W. A. Grassett DIST. #2

CALCULATION OF SUPPLEMENTAL ALLOWABLE

MONTH	% OF MO.	PREV. ALLOW	REV. ALLOW.	PREV. PROD.	REV. PROD.	REMARKS
JANUARY						
FEBRUARY						
MARCH						
APRIL	.5000		19941			
MAY			48301			
JUNE						
JULY						
AUGUST						
SEPTEMBER						
OCTOBER						
NOVEMBER						
DECEMBER						
TOTALS						
ALLOWABLE PRODUCTION DIFFERENCE - - - - - -						
March SCHEDULE O/U STATUS - - - - - -						
REVISED March O/U STATUS - - - - - -						
EFFECTIVE IN June SCHEDULE - - - - - -						
PREVIOUS PERIOD ADJUSTMENTS - - - - - - - -						CURRENT CLASSIFICATION -0- TO N

NOTICE OF SHUT-IN

The following described well has been Shut-in for Failure of Compliance:

Purchaser Pool Date
Operator Lease
Well No. Unit Letter Sec. Twp. Rnge.
Effective date of Shut-in Reason for Shut-In

A. L. ~~PORTER,~~ Jr., *Director*

By

NEW MEXICO
OIL CONSERVATION COMMISSION
P. O. BOX 2088
SANTA FE, NEW MEXICO

RECEIVED
JUN 19 1973
O. C. C.
ARTESIA, OFFICE

GAS SUPPLEMENT NO. (NW) (SE) SF-3739 DATE 6-5-73

NOTICE OF WELL CONNECTION OR AUTHORITY TO ASSIGN ALLOWABLE

ALL VOLUMES EXPRESSED IN MCF

The operator of the following well has complied with all the requirements of the Oil Conservation Commission and may be assigned an allowable as shown below.

Date of Connection _____ Date of First Allowable or Allowable Change _____
Purchaser EL PASO NATURAL GAS CO. Pool CARLSBAD STRAWN, SOUTH
Operator CORINE GRACE Lease GRACE CARLSBAD
Well No. 1 Unit Letter I Sec. 36 Twp. 22S Rnge. 26E
Dedicated Acreage _____ Revised Acreage _____ Difference _____
Acreage Factor _____ Revised Acreage Factor _____ Difference _____
Deliverability _____ Revised Deliverability _____ Difference _____
A x D Factor _____ Revised A x D Factor _____ Difference _____

DIST. #

Production correction

CALCULATION OF SUPPLEMENTAL ALLOWABLE

MONTH	% OF MO.	PREV. ALLOW	REV. ALLOW.	PREV. PROD.	REV. PROD.	REMARKS
JANUARY						
FEBRUARY						
MARCH						
APRIL				-0-	41531	
MAY						
JUNE						
JULY						
AUGUST						
SEPTEMBER						
OCTOBER						
NOVEMBER						
DECEMBER						
TOTALS						
ALLOWABLE PRODUCTION DIFFERENCE - - - - - -				41531-		
April SCHEDULE O/U STATUS - - - - - -				19941+		
REVISED April O/U STATUS - - - - - -				21590-		
EFFECTIVE IN July SCHEDULE - - - - -						
PREVIOUS PERIOD ADJUSTMENTS - - - - - - - -						CURRENT CLASSIFICATION N TO

NOTICE OF SHUT-IN

The following described well has been Shut-in for Failure of Compliance:

Purchaser _____ Pool _____ Date _____
Operator _____ Lease _____
Well No. _____ Unit Letter _____ Sec. _____ Twp. _____ Rnge. _____
Effective date of Shut-in _____ Reason for Shut-In _____

A. L. PORTER, Jr., Director

By _____

Michael P. Grace II
Corinne Grace
P. O. BOX 1418
CARLSBAD, NEW MEXICO 88220

July 4, 1973

RECEIVED
JUL 6 1973
O. C. C.
ARTESIA, OFFICE

Mr. Bill Gressett
New Mexico Oil Conservation Commission
P. O. Drawer DD
Artesia, New Mexico

Dear Bill:

Enclosed you will find a Packer Setting Report on the Carlsbad-Grace #1 signed by John Wilsher, the toolpusher for Big West Drilling Company.

John West out of Hobbs ran this packer leakage test and also the four point test plus a bottom hole pressure test. If you do not get your copies on this before I get back from vacation I will get them to you then. He also ran the four-point and BHP on the Grace Atlantic #1.

I will see or talk to you on the 23rd of this month.

Sincerely yours,

Juanita

Juanita L. Jones

jlj
encl.

9-6-73

Juanita:

To date, we have not received the Packer Leakage test or the 4 point test on the Corinne Grace Grace Carlsbad #1-I, 36-22-26.

Bill Gressett

NEW MEXICO
OIL CONSERVATION COMMISSION
P. O. BOX 2088
SANTA FE, NEW MEXICO

GAS SUPPLEMENT NO. (NWX) (SE) SF-3783 DATE 8-1-73

NOTICE OF WELL CONNECTION OR AUTHORITY TO ASSIGN ALLOWABLE

ALL VOLUMES EXPRESSED IN MCF

The operator of the following well has complied with all the requirements of the Oil Conservation Commission and may be assigned an allowable as shown below.

Date of Connection _____ Date of First Allowable or Allowable Change _____
Purchaser EL PASO NATURAL GAS CO. Pool CARLSBAD STRAWN, SOUTH
Operator CORINE GRACE Lease GRACE CARLSBAD
Well No. 1 Unit Letter I Sec. 36 Twp. 22S Rnge. 26E
Dedicated Acreage 320 Revised Acreage _____ Difference _____
Acreage Factor 1.00 Revised Acreage Factor _____ Difference _____
Deliverability _____ Revised Deliverability _____ Difference _____
A x D Factor _____ Revised A x D Factor _____ Difference _____

Production correction. DIST. #

CALCULATION OF SUPPLEMENTAL ALLOWABLE

MONTH	% OF MO.	PREV. ALLOW	REV. ALLOW.	PREV. PROD.	REV. PROD.	REMARKS
JANUARY						
FEBRUARY						
MARCH						
APRIL						
MAY						
JUNE				-0-	38361	June production not entered in schedule.
JULY						
AUGUST						
SEPTEMBER						
OCTOBER						
NOVEMBER						
DECEMBER						
TOTALS						
ALLOWABLE PRODUCTION DIFFERENCE - - - - - -				38361-		
June SCHEDULE O/U STATUS - - - - - -				18853+		
REVISED June O/U STATUS - - - - - -				19508-		
EFFECTIVE IN Sept. SCHEDULE - - - - -						
PREVIOUS PERIOD ADJUSTMENTS - - - - - - - -						CURRENT CLASSIFICATION N TO

RECEIVED
AUG 16 1973
O. C. C.
ARTESIA, OFFICE

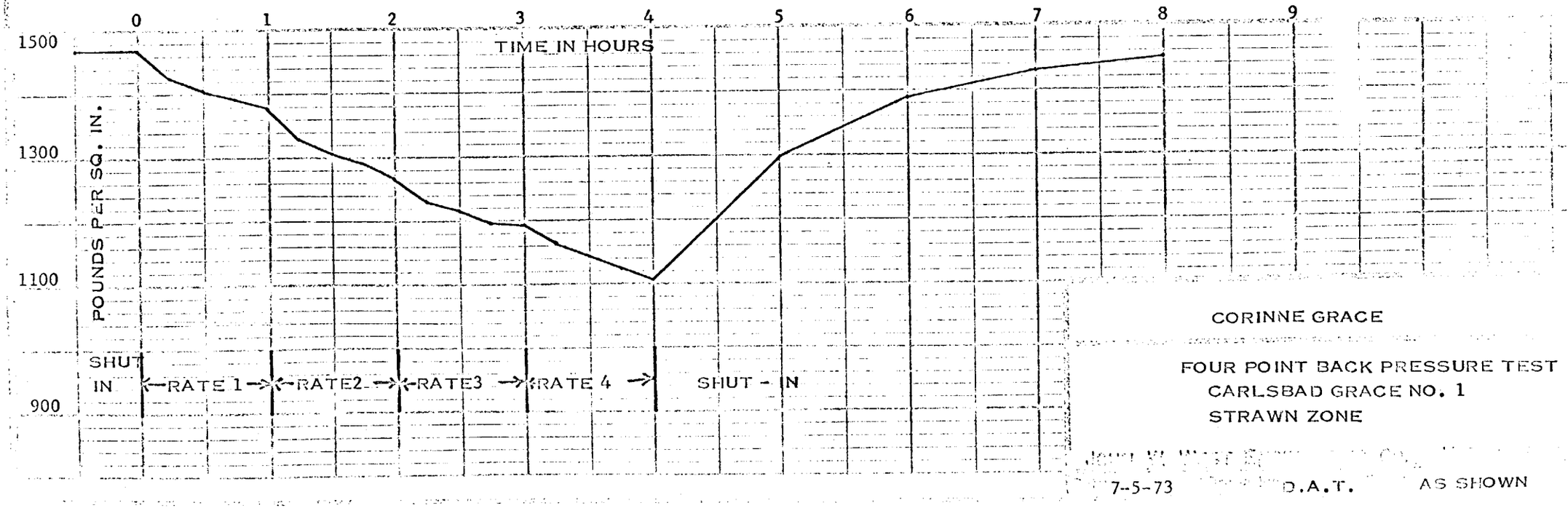
NOTICE OF SHUT-IN

The following described well has been Shut-in for Failure of Compliance:

Purchaser _____ Pool _____ Date _____
Operator _____ Lease _____
Well No. _____ Unit Letter _____ Sec. _____ Twp. _____ Rnge. _____
Effective date of Shut-in _____ Reason for Shut-In _____

A. L. PORTER, Jr., Director
By _____

		TIME	CUM. HRS. / MIN.		F	,150 FEET	
TEST DATE:	JULY 3,1973	11:40 A.M.			1	EACHED 10,150'	
TEST DEPTH:	10,150 FEET	2:10 P.M.	00HRS.	00 MIN.	14	PEN START TEST	
ELEMENT NO.:	8519	2:30	00	20	142		CHOKE @ 12/64
RANGE:	0-5500#	3:30	01	20	137	TE 1	
		3:45	01	35	1330		CHOKE @ 15/64
CLOCK NO. :	10835	4:30	02	20	1265	E 2	
RANGE:	0-72 HRS.	4:45	02	35	1237		CHOKE @ 18/64
		5:30	03	20	1193	E 3	
OPERATOR:	DON TYSON	5:45	03	35	1165	RA	CHOKE @ 19/64
		6:30	04	20	1103	EN TE 4	SHUT-IN
		7;30	05	20	1293		
		8:30	06	20	1386		
		9:30	07	20	1430		
		10:30	08	20	1450		
	JULY 4,1973 GUAGE OUT @	7:30 A.M.	29	20	1500		



CORINNE GRACE

FOUR POINT BACK PRESSURE TEST
CARLSBAD GRACE NO. 1
STRAWN ZONE

7-5-73 D.A.T. AS SHOWN

FORM 2907

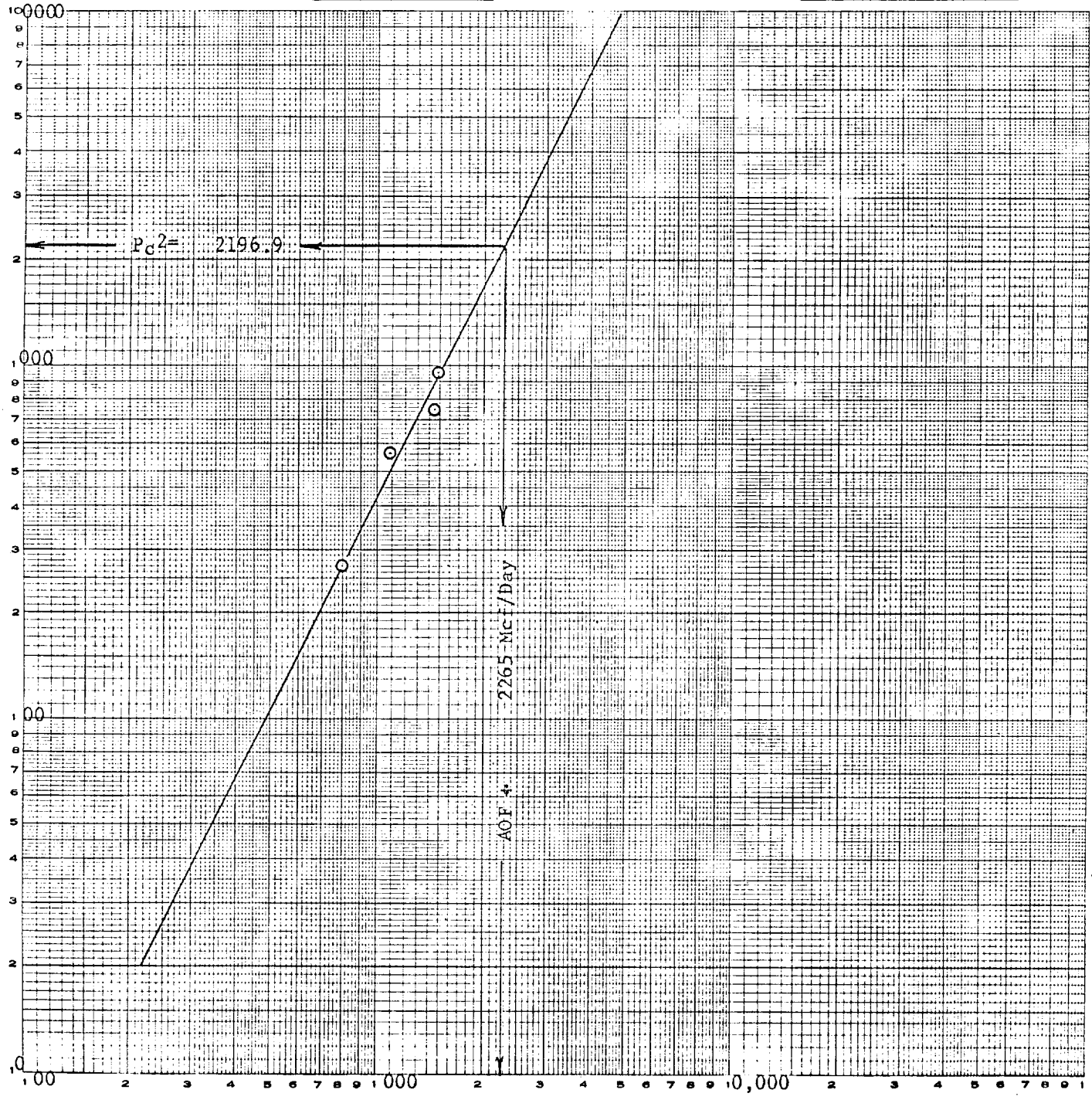
BACK PRESSURE CURVE

Operator CORINNE GRACE Lease CARLSBAD GRACE Well No. 1

County EDDY Field SO. CARLSBAD (STRAWN) Location 1 S36 T22S R26E

Date of Test 7-3-73 Slope "n" 0.500 LIMITED W. H. _____ Abs.

Calc. W. H. Potential _____ MCF/D Calc. Abs. Potential 2,265 MCF/D



SLOPE (N) = 0.500 LIMITED

ABS. POT. = $798 \frac{(2196.9)^{.500}}{272.6}$ = 2265 MCF/DAY

Copy to SF @ -122

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
SEP 11 1973
O. C. C.
ARTESIA, OFFICE

Type Test: ☐ Initial ☒ Annual ☐ Special				Test Date: 7-3-73	
Company: CORINNE GRACE		Connection: EL PASO NATURAL GAS COMPANY			Unit
Pool: SOUTH CARLSBAD Morrow		Formation: STRAWN			
Completion Date: 5-4-72	Total Depth: 11,875'	Plug Back TD: 11,761'	Elevation: 3207.8 GL	Farm or Lease Name: GRACE CARLSBAD	
Csg. Size: 4½" Wt.: 11.50 / 10.50 d:	Set At: ~~10,375'~~ 16,375	Perforations: From 10,270 To 10,492		Well No.: 1	
Tbg. Size: 2-3/8" Wt.: 4.7 d:	Set At: 10,169'	Perforations: From ~~10,270'~~ To ~~10,492'~~		Unit: I Sec.: 36 Twp.: 22S Rge.: 26E	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: GAS GAS DUAL		Packer Set At: 10,169'		County: EDDY	
Producing Thru: TUBING	Reservoir Temp. °F: 183° @ 10,150'	Mean Annual Temp. °F: 60	Baro. Press. – P_a: 13.2	State: NEW MEXICO	
L: 10,169	H: 10,169	Gg: 0.652 EST.	% CO_2: 0.44 EST.	% N_2: 0.74 EST.	% H_2S: -0-
Prover	Meter Run: 4"	Taps: FLANGE			

FLOW DATA					TUBING DATA		CASING DATA		
NO.	Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI					1115.0		PKR.	CHOKE	
1.	4 x 1.25"		22.1	90	1017.0	82		12/64"	80 MIN.
2.	4 x 1.25"		41.0	89	941.0	80		15/64"	60 MIN.
3.	4 x 1.25"		75.7	87	846.0	80		18/64"	60 MIN.
4.	4 x 1.25"		72.3	85	769.0	80		19/64"	60 MIN.
5.									

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	7.469	86.22	336.4	0.9723	1.238	1.029	798
2.	7.469	121.49	360.0	0.9732	1.238	1.032	1097
3.	7.469	156.82	324.9	0.9750	1.238	1.029	1455
4.	7.469	158.65	348.1	0.9768	1.238	1.031	1477
5.							

NO.	P_t	Temp. °R	T_r	Z
1.	0.50	550	1.47	0.945
2.	0.54	549	1.46	0.939
3.	0.48	547	1.46	0.945
4.	0.52	545	1.45	0.940
5.				

Gas Liquid Hydrocarbon Ratio: T.S.T.M. Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: Deg.
Specific Gravity Separator Gas: 0.652 XXXXXXXXXX
Specific Gravity Flowing Fluid: XXXXX
Critical Pressure: 670 P.S.I.A. P.S.I.A.
Critical Temperature: 375 R R

P_c 1482.2 P_c^2 2196.9

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		1387.2	1924.3	272.6
2		1278.2	1633.8	563.1
3		1206.2	1454.9	742.0
4		1116.2	1245.9	951.0
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 8.0591$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.8388$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2265$

Absolute Open Flow: 2,265 Mcfd @ 15.025 Angle of Slope θ: 63.3 Slope, n: 0.500

Remarks: BOTTOM HOLE PRESSURES MEASURED WITH AMERADA GUAGE @ 10,150 FEET

L-10 CHART READINGS CONVERTED TO CONVENTIONAL BASED ON 100"-1000# METER

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	D. TYSON	R. WEST	

RECEIVED

SEP 26 1973

O. C. C.
ARTESIA, OFFICE

NEW MEXICO
OIL CONSERVATION COMMISSION
P. O. BOX 2088
SANTA FE, NEW MEXICO

GAS SUPPLEMENT NO. (NW) (SE) SF-3794 DATE 9-5-73

NOTICE OF WELL CONNECTION OR AUTHORITY TO ASSIGN ALLOWABLE

ALL VOLUMES EXPRESSED IN MCF

The operator of the following well has complied with all the requirements of the Oil Conservation Commission and may be assigned an allowable as shown below.

Date of Connection _____ Date of First Allowable or Allowable Change _____
Purchaser EL PASO NATURAL GAS CO. Pool SOUTH CARLSBAD STRAWN
Operator CORINE GRACE Lease GRACE CARLSBAD
Well No. 1 Unit Letter I Sec. 36 Twp. 22S Rnge. 26E
Dedicated Acreage _____ Revised Acreage _____ Difference _____
Acreage Factor _____ Revised Acreage Factor _____ Difference _____
Deliverability _____ Revised Deliverability _____ Difference _____
A x D Factor _____ Revised A x D Factor _____ Difference _____

production correction DIST. #

CALCULATION OF SUPPLEMENTAL ALLOWABLE

MONTH	% OF MO.	PREV. ALLOW	REV. ALLOW.	PREV. PROD.	REV. PROD.	REMARKS
JANUARY						
FEBRUARY						
MARCH						
APRIL						
MAY						
JUNE						
JULY				-0-	34299	
AUGUST						
SEPTEMBER						
OCTOBER						
NOVEMBER						
DECEMBER						
TOTALS						
ALLOWABLE PRODUCTION DIFFERENCE - - - - - -				34299-		
July SCHEDULE O/U STATUS - - - - - -				6232+		
REVISED July O/U STATUS - - - - - -				28067-		
EFFECTIVE IN Oct. SCHEDULE - - - - -						
PREVIOUS PERIOD ADJUSTMENTS - - - - - - - -						CURRENT CLASSIFICATION N TO

NOTICE OF SHUT-IN

The following described well has been Shut-in for Failure of Compliance:

Purchaser _____ Pool _____ Date _____
Operator _____ Lease _____
Well No. _____ Unit Letter _____ Sec. _____ Twp. _____ Rnge. _____
Effective date of Shut-in _____ Reason for Shut-In _____

A. L. PORTER, Jr., *Director*
By E. Fajstena

NEW MEXICO
OIL CONSERVATION COMMISSION
P. O. BOX 2088
SANTA FE, NEW MEXICO

GAS SUPPLEMENT NO. (NW) (SE) SE-3808 DATE 10-4-73

NOTICE OF WELL CONNECTION OR AUTHORITY TO ASSIGN ALLOWABLE
ALL VOLUMES EXPRESSED IN MCF

The operator of the following well has complied with all the requirements of the Oil Conservation Commission and may be assigned an allowable as shown below.

Date of Connection _____ Date of First Allowable or Allowable Change _____
Purchaser EL PASO NATURAL GAS CO. Pool CARLSBAD STRAWN, SOUTH
Operator CORINE GRACE Lease GRACE CARLSBAD
Well No. 1 Unit Letter I Sec. 36 Twp. 22S Rnge. 26E
Dedicated Acreage _____ Revised Acreage _____ Difference _____
Acreage Factor _____ Revised Acreage Factor _____ Difference _____
Deliverability _____ Revised Deliverability _____ Difference _____
A x D Factor _____ Revised A x D Factor _____ Difference _____

Production correction DIST. #

CALCULATION OF SUPPLEMENTAL ALLOWABLE

MONTH	% OF MO.	PREV. ALLOW	REV. ALLOW.	PREV. PROD.	REV. PROD.	REMARKS
JANUARY						
FEBRUARY						
MARCH						
APRIL						
MAY						
JUNE						
JULY						
AUGUST						
SEPTEMBER				60576	30288	
OCTOBER						
NOVEMBER						
DECEMBER						
TOTALS						
ALLOWABLE PRODUCTION DIFFERENCE - - - - - -				30288+		
August SCHEDULE O/U STATUS - - - - - -				51320-		
REVISED August O/U STATUS - - - - - -				21032-		
EFFECTIVE IN November SCHEDULE - - - - -						
PREVIOUS PERIOD ADJUSTMENTS - - - - - - - -						

RECEIVED
OCT 25 1973
O. C. C.
ARTESIA, OFFICE

CURRENT CLASSIFICATION N TO

NOTICE OF SHUT-IN

The following described well has been Shut-in for Failure of Compliance:

Purchaser _____ Pool _____ Date _____
Operator _____ Lease _____
Well No. _____ Unit Letter _____ Sec. _____ Twp. _____ Rnge. _____
Effective date of Shut-in _____ Reason for Shut-In _____

A. L. PORTER, Jr., Director
By J. E. Kapteina

OIL CONSERVATION COMMISSION
P. O. BOX 2088
SANTA FE NEW MEXICO 87501

6. The ownership of both wells is identical throughout.

7. The arrangement is of a temporary nature and is expected to be discontinued after approximately 90 days.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/DSN/dr

cc: Oil Conservation Commission - Artesia
El Paso Natural Gas Co.
P. O. Box 1492
El Paso, Texas

Attention: Mr. E. R. Manning

COPY

OIL CONSERVATION COMMISSION
P. O. BOX 2088
SANTA FE NEW MEXICO 87501

October 24, 1974

RECEIVED
OCT 25 1974
O. C. C.
ARTESIA, OFFICE

Michael P. Grace II
Corinne Grace
P. O. Box 1418
Carlsbad, New Mexico 88220

Attention: Juanita L. Jones

Gentlemen:

Reference is made to your letter of October 18, 1974, requesting authority to utilize gas produced from your Carlsbad Grace Well No. 1 to gas-lift liquids from your Airport Grace Well No. 1 in an effort to clean said well up and establish natural flow.

Approval is hereby given to your proposal subject to the following understanding:

1. El Paso Natural Gas Company will continue to buy gas from the Carlsbad Grace well and will continue to report the meter readings of its purchases from the well on Form C-111.

2. You will install a meter on the line going from the Carlsbad Grace well to the Airport Grace well and will report the meter readings of the gas taken by you from the Carlsbad Grace well monthly on Form C-111. (This form is due the 15th of each month. See Rule 1105)

3. The sum of the readings from the aforesaid two meters will be production from the Carlsbad Grace.

4. Production from the Airport Grace will pass through a separator and into a compressor, thence through an El Paso meter into sales.

5. Production from the Airport Grace will be the difference between the meter in paragraph 4 above and the meter in paragraph 2 above, plus the volume of gas estimated to be consumed by the compressor. You will report said fuel consumption monthly on Form C-115.

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

NO. OF COPIES RECEIVED		
DISTRIBUTION		
SANTA FE	✓	
FILE	✓	✓
U.S.G.S.		
LAND OFFICE		
OPERATOR	✓	

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RECEIVED BY
DEC 17 1984
O. C. D.
ARTESIA, OFFICE

Form C-1
Revised)

5a. Indicate Type of Lease
State [X] Fee [ ]

5. State Oil & Gas Lease No.
K-6290

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT —" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL [ ] GAS WELL [X] OTHER-

7. Unit Agreement Name

2. Name of Operator
Corinne Grace ✓

8. Farm or Lease Name
Grace-Carlsbad

3. Address of Operator
P.O. Box 1418, Carlsbad, New Mexico 88220

9. Well No.
1

4. Location of Well
UNIT LETTER I, 1980 FEET FROM THE South LINE AND 660 FEET FROM THE East LINE, SECTION 36 TOWNSHIP 22S RANGE 26E NMPM.

10. Field and Pool, or Wildcat
S. Carlsbad Strawn

15. Elevation (Show whether DF, RT, GR, etc.)
3207.8

12. County
Eddy

16. 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	[X]	ALTERING CASING	[ ]
TEMPORARILY ABANDON	[ ]			COMMENCE DRILLING OPNS.	[ ]	PLUG AND ABANDONMENT	[ ]
PULL OR ALTER CASING	[ ]	CHANGE PLANS	[ ]	CASING TEST AND CEMENT JOB	[ ]		
OTHER	[ ]			OTHER	[ ]		

17. Describe Proposed or Completed Operations *(Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work)* SEE RULE 1103.

October 27, 1984: Pumped 8½ barrels of 7½% acid with 46 barrels of 2% K.C.L. water for displacement down tubing. Knocked 2 bridge plugs out of tubing.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Laye Huber TITLE Agent DATE Oct. 29, 1984

APPROVED BY ORIGINAL SIGNED BY LARRY BROOKS GEOLOGIST - NMOCD TITLE _____ DATE DEC 27 1984

CONDITIONS OF APPROVAL, IF ANY:

Sincerely,

R. L. Stamets
Director

cc: OCD - Artesia

RLS/DC/bok

50 YEARS

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

1935 - 1985

TONEY ANAYA
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-5800

RECEIVED BY
FEB 18 1986
O. C. D.
ARTESIA, OFFICE

February 13, 1986

Padilla & Snyder
P. O. Box 2523
Santa Fe, NM 87504-2523

Attention: Ernest L. Padilla

RE: Surface Gas Commingling Carlsbad
Grace No. 1 Well Section 36, T22S,
R26E, Eddy County, New Mexico

Dear Sir:

Your application on behalf of Corrine Grace to surface commingle the gas production from the above described well has been reviewed. The Division has found that the following facts exist:

1) The interest is common for both zones.

2) There will be no reduction in the value of the gas as a result of commingling.

3) Both zones are marginal

4) As a result of commingling, the Morrow formation in the well will be able to be produced, thereby extending the economic life of the well and preventing waste.

You are hereby authorized to surface commingle the gas production from the South Carlsbad Morrow and South Carlsbad Strawn formation from the above mentioned well. The gas production from the Strawn formation shall be metered prior to commingling and the Morrow production shall be determined by subtracting the Strawn production from the total sales line meter volume. Further, the Morrow production shall be subject to the gas allowable as printed in the Southeast New Mexico Gas Proration Schedule.

It is the responsibility of the operator to notify the transporter of the commingling authority.

cl st OP

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
811 South First, Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-104
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] Operator name and Address	[2] OGRID Number
MARBOB ENERGY CORPORATION P.O. BOX 227 ARTESIA, NM 88210	14049
	[3] Reason for Filing Code: CH EFFECTIVE 8/1/00

[4] API Number	[5] Pool Name	[6] Pool Code
30 - 0 15-20573	CARLSBAD STRAWN SOUTH	74120
[7] Property Code	**[8] Property Name**	**[9] Well Number**
26664	GRACE CARLSBAD	001

II. [10] Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
I	36	22S	26E		1980	SOUTH	660	EAST	EDDY

[11] Bottom Hole Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date
S	F				

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] POD	[21] O/G	[22] POD ULSTR Location and Description
		~~1021030~~ 2831979	O	
139633	HIGHLAND GATHERING	~~1021030~~ 2831980	G	
				RECEIVED OCD ARTESIA

IV. Produced Water

[23] POD	[24] POD ULSTR Location and Description
2831981	

V. Well Completion Data

[25] Spud Date	[26] Ready Date	[27] TD	[28] PBTD	[29] Perforations	[30] DHC, DC, MC

[31] Hole Size	[32] Casing & Tubing Size	[33] Depth Set	[34] Sacks Cement

VI. Well Test Data

[35] Date New Oil	[36] Gas Delivery Date	[37] Test Date	[38] Test Length	[39] Tbg. Pressure	[40] Csg. Pressure
[41] Choke Size	**[42] Oil**	**[43] Water**	**[44] Gas**	**[45] AOF**	**[46] Test Method**

[47] I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: Robin Cockrum

Printed name: ROBIN COCKRUM

Title: PRODUCTION ANALYST

Date: 07/31/00 Phone: 748-3303

OIL CONSERVATION DIVISION

Approved by: ORIGINAL SIGNED BY TIM W. GUM

Title: DISTRICT II SUPERVISOR

Approval Date: SEP 15 2000

[48] If this is a change of operator fill in the OGRID number and name of the previous operator

CORINNE B. GRACE OGRID #5268

Previous Operator Signature	Printed Name	Title	Date
Corinne B. Grace	Corinne B. Grace		8/1/00

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104A
March 19, 2001

Submit 1 copy of the final affected wells list along with 1 copy of this form per number of wells on that list to appropriate District Office

Change of Operator

Previous Operator Information:		New Operator Information:	
		Effective Date:	FEBRUARY 1, 2003
OGRID:	14049	New Ogrid:	013645
Name:	MARBOB ENERGY CORPORATION	New Name:	LYNX PETROLEUM
Address:	PO BOX 227	Address:	PO BOX 1708
Address:		Address:	
City, State, Zip:	ARTESIA, NM 88211-0227	City, State, Zip:	HOBBS, NM 88241-1708

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information on this form and the attached list of wells is true and complete to the best of my knowledge and belief.

New Operator Signature: Marc Wise

Printed name: Marc Wise

Title: President

Date: 2/13/03 Phone: (505) 392-6950



Previous operator complete below:

Previous Operator: MARBOB ENERGY CORPORATION

Previous OGRID: 14049

Signature: Diana J. Cannon

Printed Name: DIANA J. CANNON

NMOCD Approval

Signature: Tim W. Gum

Printed Name: District Supervisor

District:

Date: FEB 27 2003

30-015-20573

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Betty Rivera
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

8/17/01

Marbob Energy
P.O. Box 227
Artesia, New Mexico 88211-0227

Dear Sirs:

A segregation and/or packer leakage test is to be filed with this office annually. Please test the subject well(s) and send the results no later than 15 October, 2003.

Please notify this office 72 hours prior to the test in order that our representative may be present to witness the test.

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST forms should be submitted in triplicate. Please send the original and two copies of the test chart.

If you no longer operate the well(s) listed, have received a down hole commingle permit, or abandoned one zone please contact me at 505-748-1283.

Well	LOCATION	API #
GRACE CARLSBAD #001	I-36-22S-26E	30-015-20573
STATE QQ COM #001	C-17-23S-27E	30-015-20868

In the event that a satisfactory response is not received to this letter 15 October, 2003, further enforcement will occur. Such enforcement may include this office applying to the Division for an order summoning you to a hearing before a Division Examiner in Santa Fe to show cause why you should not be ordered to permanently plug and abandon this well. Such a hearing may result in imposition of **CIVIL PENALTIES** for your violation of OCD rules.

Sincerely,

Van Barton
Field Rep. II

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

8/17/01

Lynx Petroleum
P. O. Box 1708
Hobbs, New Mexico 88241-1708

Dear Sirs:

A segregation and/or packer leakage test is to be filed with this office annually. Please test the subject well(s) and send the results no later than 15 October, 2003.

Please notify this office 72 hours prior to the test in order that our representative may be present to witness the test.

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST forms should be submitted in triplicate. Please send the original and two copies of the test chart.

If you no longer operate the well(s) listed, have received a down hole commingle permit, or abandoned one zone please contact me at 505-748-1283.

Well	LOCATION	API #
GRACE CARLSBAD #001	I-36-22S-26E	30-015-20573

In the event that a satisfactory response is not received to this letter 15 October, 2003, further enforcement will occur. Such enforcement may include this office applying to the Division for an order summoning you to a hearing before a Division Examiner in Santa Fe to show cause why you should not be ordered to permanently plug and abandon this well. Such a hearing may result in imposition of **CIVIL PENALTIES** for your violation of OCD rules.

Sincerely,

Van Barton
Field Rep. II

Submit 3 Copies to Appropriate Dist. Office

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Revised 1-1-89

INSTRUCTIONS ON REVERSE SIDE

This form is not to be used for reporting packer leakage tests in Northwest New Mexico

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

30-015-20573

Operator	Lynx Operating			Lease	CARLSBAD Grace St		Well No.	1
Location of Well	Unit T	Sec. 36	Twp 22S	Rge 26E		County	Eddy.	

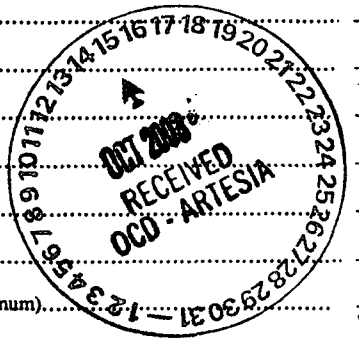
	Name of Reservoir or Pool	Type of Prod. (Oil or Gas)	Method of Prod. Flow, Art Lift	Prod. Medium (Tbg. or Csg)	Choke Size
Upper Compl	Strawn	Gas	Comp	Tbg	Open
Lower Compl	Morrow	Gas	Comp	Tbg	Open

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 10:45Am / 10-6-03

Well opened at (hour, date): 10:40Am / 10-7-03

	Upper Completion	Lower Completion
Indicate by (X) the zone producing	X	
Pressure at beginning of test	220	180
Stabilized? (Yes or No)	YES	YES
Maximum pressure during test	220	180
Minimum pressure during test	20	180
Pressure at conclusion of test	20	180
Pressure change during test (Maximum minus Minimum)	200	0
Was pressure change an increase or a decrease?	Decrease	Stable



Well closed at (hour, date): 10:40Am / 10-8-03 Total Time On Production 24Hrs.

Oil Production During Test _____ bbls; Grav. _____ Gas Production During Test _____ MCF; GOR _____

Remarks No Indication of Packer Leak.

FLOW TEST NO. 2

Well opened at (hour, date): 10:35Am / 10-9-03

	Upper Completion	Lower Completion
Indicate by (X) the zone producing		X
Pressure at beginning of test	235	180
Stabilized? (Yes or No)	YES	YES
Maximum pressure during test	270	180
Minimum pressure during test	235	20
Pressure at conclusion of test	270	20
Pressure change during test (Maximum minus Minimum)	35	160
Was pressure change an increase or a decrease?	Increase	Decrease

Well closed at (hour, date) 10:30Am / 10-10-03 Total time on Production 24Hrs.

Oil production During Test _____ bbls; Grav. _____; Gas Production During Test _____ MCF; GOR _____

Remarks No Indication of A Packer Leak.

OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the information contained herein is true and completed to the best of my knowledge

Kelfve Services Inc.
Operator

Julian F Guajardo
Signature

Julian F. Guajardo Tester
Printed Name Title

10-15-03 748-3759
Date Telephone No.

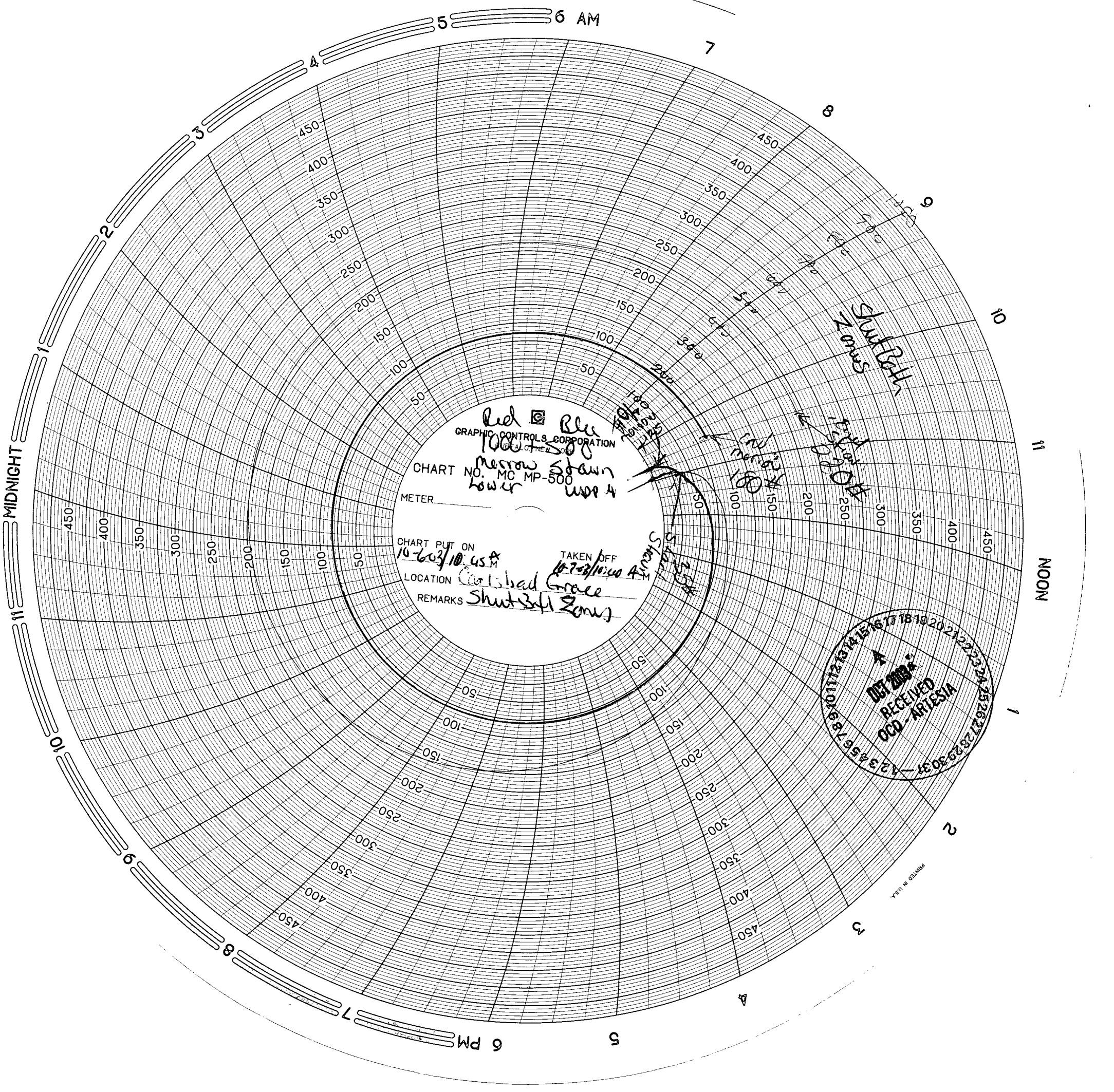
OIL CONSERVATION DIVISION

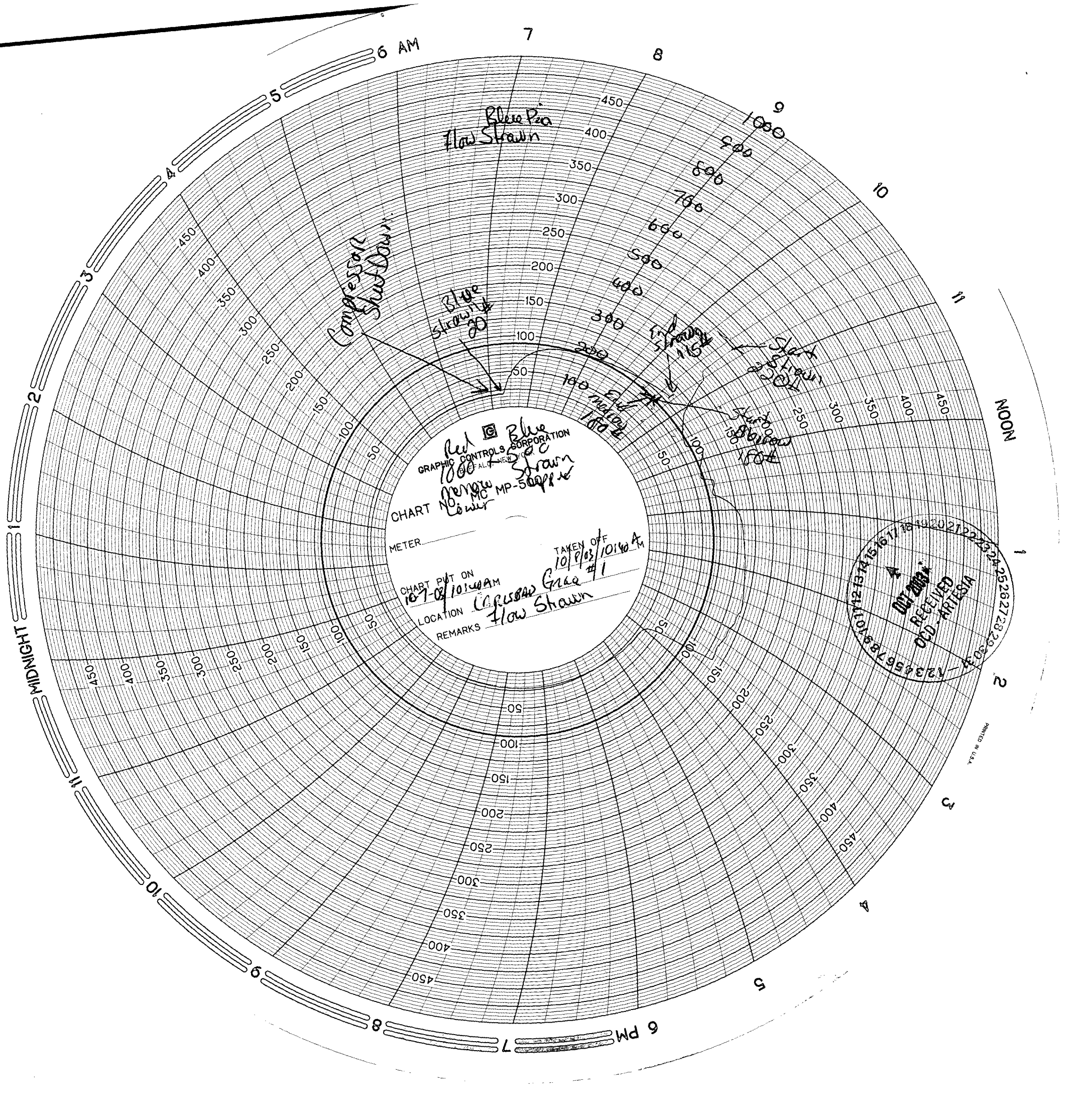
APPROVED OCT 16 2003

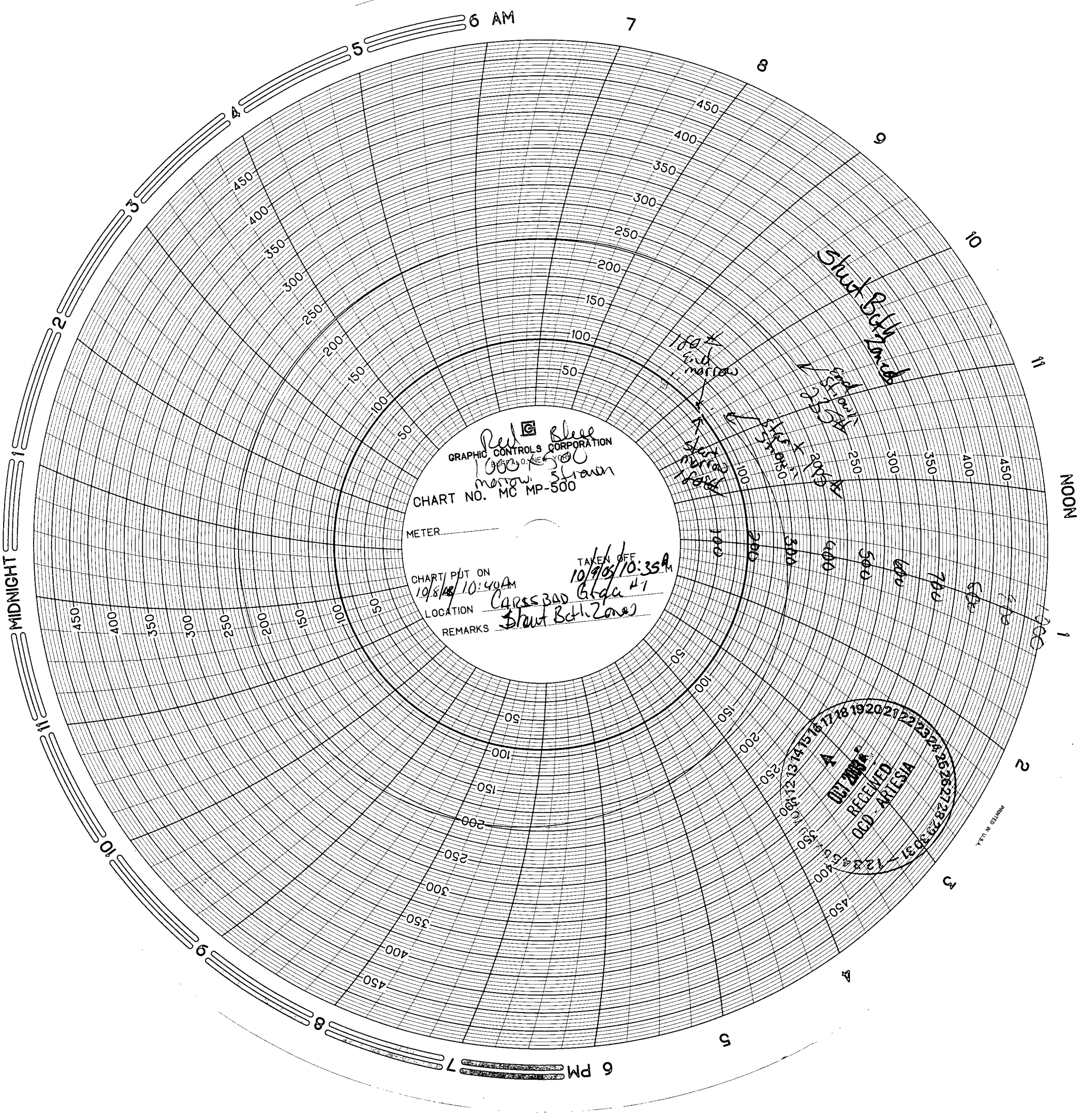
Date Approved _____

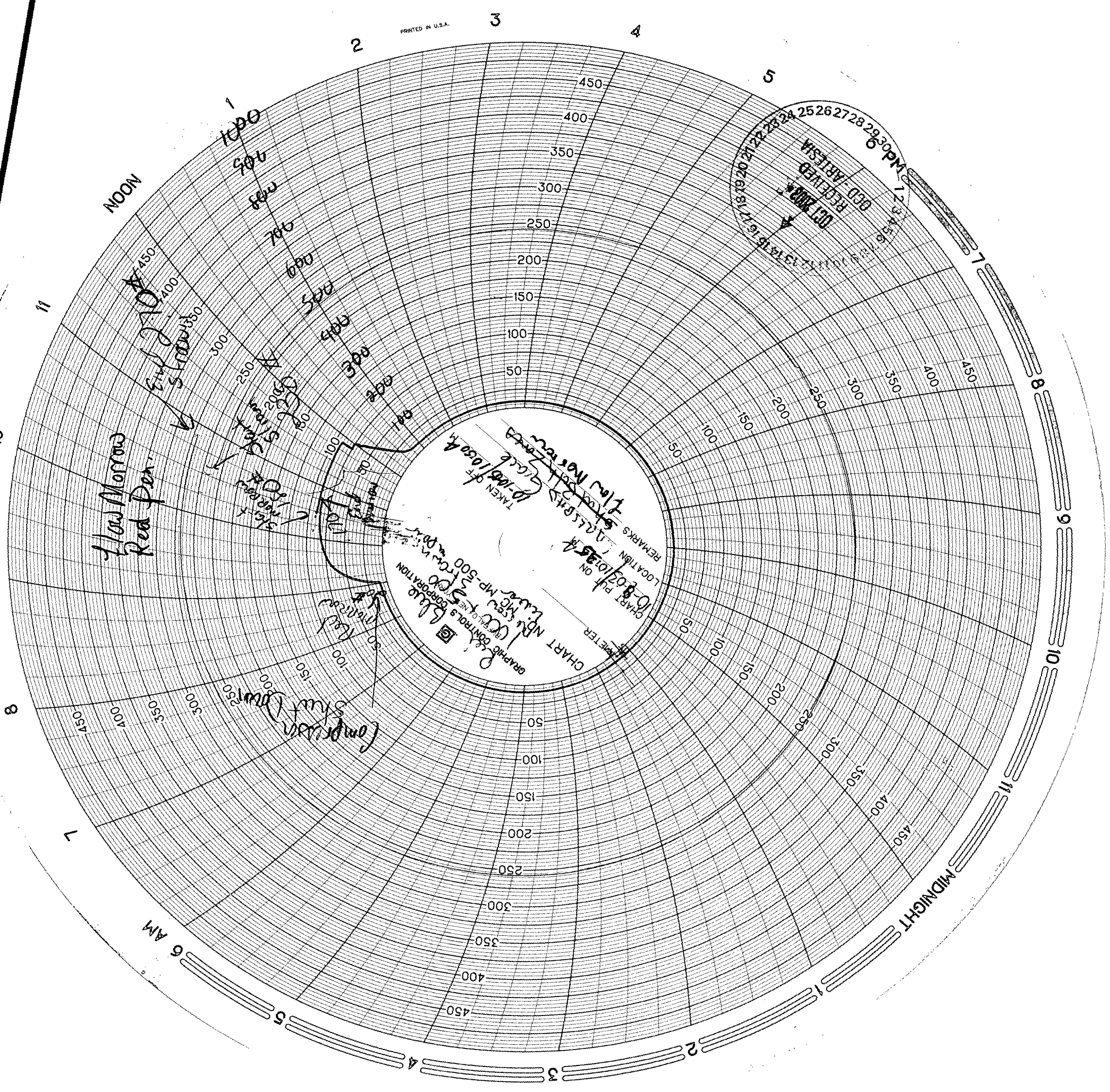
By _____

Title Field Rep. II


GRAPHIC CONTROLS CORPORATION
CHART NO. MC MP-500
METER
CHART PUT ON 10-6-03 10:45 AM
TAKEN OFF 10-7-03 10:00 AM
LOCATION Carlsbad Grace
REMARKS Shut In 4 Zones
Red Blue
Tbg 350
Morrow Strawn Lower Upper
Shut Off 4 Zones
Shut Off 2 Zones
Tbg 60
Csg 60
Csg 340
Tbg 540
Csg 600
Tbg 200
Csg 200
Tbg 340
Csg 340
Tbg 600
Csg 600
RECEIVED
OCD-ARTESIA
MIDNIGHT
NOON
6 AM
6 PM


6 AM
7
8
9
10
11
NOON
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3
4
5
6 PM
7
8
9
10
11
MIDNIGHT
Blue Pea
Flow Strawn
Compressor Shut Down
Blue Strawn 20#
Strawn 16#
Strawn 160#
Strawn 160#
Strawn 160#
Red Blue
GRAPHIC CONTROLS CORPORATION
CHART NO. MC MP-5
METER
CHART PUT ON 10-08 10:40 AM
LOCATION Corbin Grace #1
REMARKS Flow Strawn
TAKEN OFF 10/9/03 10:40 AM
RECEIVED
OCD-ARTESIA
OCT 2003
PRINTED IN U.S.A.


6 AM
7
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NOON
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6 PM
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10
11
MIDNIGHT
GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK
CHART NO. MC MP-500
METER
CHART PUT ON 10/8/05 10:40AM
TAKEN OFF 10/9/05 10:35AM
LOCATION Carlsbad Grda #1
REMARKS Shut Bch. Zones
Shut Bch Zones
RECEIVED
OCT 2005
OCD - ARTESIA
PRINTED IN U.S.A.


PRINTED IN U.S.A.
NOON
MIDNIGHT
6 AM
9 PM
GRAPHIC CONTROLS CORPORATION
CHART
REMARKS
LOCATION
METER
TAKEN OFF
Flow Meter
Red Pen
Gas
Blue
Pressure
Static
Differential
Temperature

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104A
March 19, 2001

Submit 1 copy of the final affected wells list along with 1 copy of this form per number of wells on that list to appropriate District Office

Change of Operator

Previous Operator Information:		New Operator Information:	
		Effective Date:	February 1, 2004
OGRID:	13645	New Ogrid:	
Name:	LYNX PETROLEUM CONSULTANTS	New Name:	SANDEL OPERATING COMPANY
Address:	P.O. BOX 1708	Address:	P O BOX 1917
Address:		Address:	
City, State, Zip:	HOBBS, NM 88241-1708	City, State, Zip:	HUNTSVILLE TX 77342-1917

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information on this form and the attached list of wells is true and complete to the best of my knowledge and belief.

New Operator Signature: J. Byron Sandel

Printed name: J. Byron Sandel

Title: President

Date: 2-5-04 Phone: 936-291-1002

RECEIVED
MAR 19 2004
OCD-ARTESIA

Previous operator complete below:

Previous Operator: LYNX PETROLEUM CONSUL.

Previous OGRID: 13645

Signature: Marc Wise

Printed Name: MARC WISE

NMOCD Approval

Signature: Leon W. Crum

Printed Name: District Supervisor

District:

Date: MAR 23 2004

30-015-20573

190-25

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

ADMINISTRATIVE ORDER DHC-3251

Sandel Operating Company
PO Box 1917
Huntsville, Texas 77342

RECEIVED
MAR 1 0 2004
OCD-ARTESIA

Attention: Ricky W. Sledge

Grace Carlsbad Well No. 1
API No. 30-015-20573
NE/4 SE/4, Section 36, Township 22 South, Range 26 East, NMPM,
Eddy County, New Mexico
South Carlsbad-Strawn (Gas 74120),
South Carlsbad-Morrow (Gas 73960) Pools

Dear Mr. Sledge:

Reference is made to your recent application for an exception to Rule 303.A. of the Division Rules and Regulations to permit the above described well to commingle production from the subject pools in the well bore.

It appearing that the subject well qualifies for approval for such exception pursuant to the provisions of Rule 303.C., and that reservoir damage or waste will not result from such downhole commingling, and correlative rights will not be violated thereby, you are hereby authorized to commingle the production as described above and any Division Order which authorized the dual completion and required separation of the zones is hereby placed in abeyance.

The maximum amount of gas and oil which may be produced daily from the well shall be determined using Division Rules and Regulations.

Assignment of allowable to the well and allocation of production from the well shall be on the following basis unless modified with Division permission and copied to this office.

South Carlsbad-Strawn Gas Pool	Oil-88%	Gas-28%
South Carlsbad-Morrow Gas Pool	Oil-12%	Gas-72%

REMARKS: The operator shall notify the Artesia District Office of the Division upon implementation of commingling operations.

Pursuant to Rule 303.C.(2), the commingling authority granted herein may be rescinded by the Division Director if conservation is not being best served by such commingling.

Approved at Santa Fe, New Mexico on this 3rd day of March 2004.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

Lori Wrotenbery (WVJ)

LORI WROTENBERY
Division Director

LW/wvjj

cc: Oil Conservation Division – Artesia
State Land Office – Minerals Management

District I
1625 N. French Dr., Hobbs, NM
88240

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-104A
Permit 15611

Change of Operator

Previous Operator Information

OGRID:	226685
Name:	SANDEL OPERATING COMPANY
Address:	1300 11TH STREET
Address:	
City, State, Zip:	HUNTSVILLE, TX K

New Operator Information

Effective Date:	09/01/2005
OGRID:	233545
Name:	BOLD ENERGY, L.P.
Address:	415 W Wall
Address:	Suite 500
City, State, Zip:	Midland, TX 79701

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information on this form and the certified list of wells is true to the best of my knowledge and belief.

Previous Operator

Signature: J. Byron Sandel
Printed Name: J. Byron Sandel
Title: President
Date: 9-15-05 Phone: 936-291-1002

New Operator

Signature: Joseph Castle
Printed Name: Joseph Castillo
Title: President
Date: 9-15-05 Phone: 432-686-1100

NMOCD Approval

Electronic Signature: Chris Williams, District I
Electronic Signature: Tim Gum, District II
Date: September 29, 2005

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-101
May 27, 2004

Submit to appropriate District Office

☐ AMENDED REPORT

Month - Year
OCD - ARTESIA, NM

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

[1] Operator Name and Address	[2] OGRID Number
BOLD ENERGY, LP 415 W. Wall Street, Suite 500 Midland, TX 79701	233545
	[3] API Number 30 – 015 – 20573

[5] Property Code	[5] Property Name	[6] Well No.
26664	Grace Carlsbad	001

[9] Proposed Pool 1	[10] Proposed Pool 2
Carlsbad; Canyon, South (Gas)	

[7] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	36	22S	26E		1980	S	660	E	Eddy

[8] Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Additional Well Information

[11] Work Type Code	[12] Well Type Code	[13] Cable/Rotary	[14] Lease Type Code	[15] Ground Level Elevation
P	G	N/A	S	3,207.8
[16] Multiple	**[17] Proposed Depth**	**[18] Formation**	**[19] Contractor**	**[20] Spud Date**
NO	10,000'	Canyon	TWS	6/15/07

Depth to Groundwater	Distance from nearest fresh water well	Distance from nearest surface water

Pit: Liner: Synthetic ☐ ____mils thick Clay ☐ Pit Volume:____bbls Drilling Method:

Closed-Loop System ☐ None Required For Workover Fresh Water ☐ Brine ☐ Diesel/Oil-based ☐ Gas/Air ☐

[21] Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17.5"	13.375"	48#	382'	400	Surface (circ)
12.25"	9.625"	36/40#	5,200'	1,200	1,451' (TS)
8.75"	7"	23/26#	10,727'	335	8,660' (TS)
6.125"	4-1/2"	11.6#	10,630' – 11,875'	200	10,630' (circ)

[22] Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Current completion (Dual String – Multiple Zone): 11,875' TD 11,764' PBTD Morrow Perfs: 11,486' – 11,526' Strawn Perfs: 10,270' – 10,484'

Proposed procedure: Plug back and re-complete to the Canyon. Detailed procedure, current and proposed wellbore diagrams attached. Summary as follows:

1) Pull existing tubing and packer. 2) WL set CIBP at 11,450' & bail 35' cmt. 3) WL set CIBP at 10,230' & bail 35' cmt. 4) Perforate Canyon 9,946' – 9,962'. 5). WL set retrievable pkr at 9,900' and run production tbg. 6) Acidize Canyon w/ 4,000 gals 15% NEFE + 50 ballsealers. 7) Flowback and test. 8) Return well to sales.

Alternative Option: If unable to retrieve packers 1) Cut both tubing strings above top packer at 10,169'. 2) Set CR at 10,100' and pump sufficient cement to squeeze Morrow and Strawn intervals and fill tubing and casing below CR. 3) WL set CIBP at 10,000' & bail 35' cmt. 4) Continue with step 4 above.

[23] I hereby certify that the information given above is true and complete to the best of my knowledge and belief. **I further certify that the drilling pit will be constructed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.**

Signature:

Printed name: Shannon Klier

Title: Operations Engineering Manager

E-mail Address: shannon.klier@boldenergy.com

Date: 5/4/07 Phone: 432-686-1100

OIL CONSERVATION DIVISION

Approved by: BRYAN G. ARRANT

Title: DISTRICT II GEOLOGIST

Approval Date: MAY 1 0 2007 Expiration Date: MAY 1 0 2008

Conditions of Approval Attached ☐

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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 October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-015-20573	73800	Carlsbad; Canyon, South (Gas)

[4] Property Code	[5] Property Name	[6] Well Number
26664	Grace Carlsbad	001

[7] OGRID No.	[8] Operator Name	[9] Elevation
233545	BOLD ENERGY, LP	3,207.8'

[10] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	36	22S	26E		1,980	S	660	E	Eddy

[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
320			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

16

[17] OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature 5/4/07
Date

Shannon L Klier
Printed Name

[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

BOLD ENERGY, LP

Grace Carlsbad #1

Canyon Workover Procedure

Sec 36 - T22S-R26E, 1980' FSL & 660' FEL
South Carlsbad Field
Eddy County, New Mexico

Well Status: Drilled in 1972 and dual completed in the Strawn / Morrow. Well currently produces below the economic limit.

Scope: Pull existing tubing strings and packers. Set CIBP's w/cmt to isolate existing zones. Perforate Canyon Lime, WL set packer w/ pump-out plug, run tubing, acidize and put well on production.

See Attached Wellbore Schematic

1. Contact the City of Carlsbad Planning Supervisor, Richard Aguilar at 505-887-1191 as a courtesy. Notify of our intent to begin operations.
2. Clear location and install rig anchors as required.
3. All fluids used will be contained in steel pits or test tank. Avoid any spills. Immediately report all spills to Donny Money at 432-661-8803.
4. MIRU service rig and steel pit.
5. Check for pressure on all casing strings. Bleed pressure to containment and check for flow. Report any fluid recovery.
6. Pump fresh water as necessary to put both tubing strings on a vacuum.
7. ND production tree. NU BOPE. Install offset rams for pulling short tubing string.
8. Send tree to Cameron. Truck in new 2-1/16" 5K psi wellhead. (Note: contact Jon Bulman 505-631-2614 to determine if Cameron is currently holding Bold property suitable for this application).
9. POOH laying down short tubing string.
10. Install centered rams for pulling long string.
11. Release packers. POOH laying down long tubing string and packers.
12. Inspect tubing. If tubing is in poor condition, send to Bold yard. If Bold stock 2-3/8" tubing is unavailable, truck in +/- 10,000' of 2-3/8" 4.7# L-80 tubing from Master Tubulars (Note: Master Tubulars may be holding Bold property suitable for this application).
13. Make bit / scraper run to 10,000'. POOH standing back tubing.
14. MIRU WL unit. Set 4-1/2" CIBP at 11,450'. Bail 35' cement on CIBP.
15. Set 7" CIBP at 10,230'. Bail 35' cement on CIBP.

NOTE: If unable to pull both packers, cut off both tubing strings above upper packer. Set CR at 10,100' and pump sufficient cement volume to squeeze Morrow and Strawn intervals and fill tubing and casing below CR. Sting out of CR and dump 35' cement on CR. Circulate out remaining cement and TOOH with tubing. WL set CIBP at 10,100' and bail 35' cement on top of plug. Continue with Step 16

16. Test casing to 500 psi.

17. Run Gamma Ray tool in conjunction with guns to correlate depth to Dresser Atlas Gamma Ray / Neutron BHC Acoustilog dated 3-31-72. Perforate **9,946' – 9,962'** at 3 spf w/ 120° phasing 48 total shots using 4" EXP GUN loaded with 25 gm charge (or equivalent) to achieve 0.56" EHD in 7" casing.

18. Inspect guns to ensure all shots fired.

19. WL set retrievable packer at 9,900' w/ on-off tool and pump out plug in place. Profile nipples to be located in tailpipe and on-off tool.

20. TIH w/ 2-3/8" 4.7# L-80 tubing.

21. Pickle tubing and spot 500 gallons 15% HCL acid at EOT.

22. Latch onto on-off tool. Spaced out for 12K compression.

23. ND BOPE. NU production tree.

24. Release service rig.

25. RU flowback tank and iron off of wellhead choke. No choke manifold required.

26. MIRU 1 fresh water transport and Stinger WH isolation tool.

27. Roll friction reducer in transport at 1 gpt (5 gallons per 120 bbls of water).

28. RU breakdown equipment as follows:

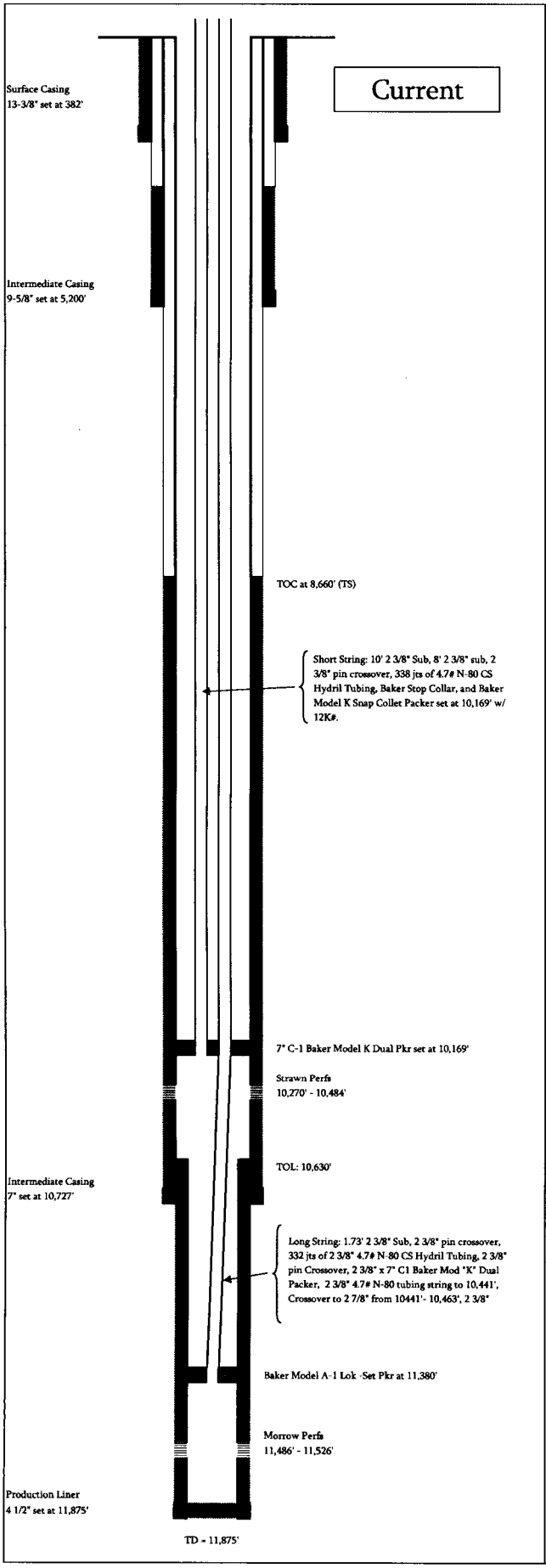
    Pump truck(s) as necessary for 7 bpm at 8,000 psi
    Acid transport containing 4,000 gallons 15% NEFE acid containing 2 gpt surfactant and 1 gpt friction reducer.
    50 each 1.3 SG RCN ballsealers
    Treating vehicle capable of recording rate and pressure in one-second intervals.
    Backside pump to maintain 500 psi annulus pressure during acid treatment.

29. Begin pumping acid at 7 bpm. Drop ball sealers evenly spaced throughout acid. Displace with 100 bbls fresh water (includes overdisplacement volume). Shutdown and record ISIP and 15 min SIP or until well goes on vacuum. Do not disturb pressure during shut-in period. RDMO BJ breakdown equipment.

30. Open well to test tank.

31. Swab as necessary to kick off flowing.

32. Return to sales and release all rental equipment.



BOLD ENERGY, LP — Grace Carlsbad #1

WI: 100.0%
Elevation: 3,208' GL
KB: 3,228'
Meas. TD: 11,875
TVD: 11,875
PBD: 11764
Zone: Morrow / Strawn

NRI: 80.0%
API: 30-015-20573
Surface Location 1980' FSL & 660' FEL
Legal Description Section 36 - T22S - R26E
Field: South Carlsbad
County: Eddy County
State: New Mexico

Casing	Hole	Weight	Grade	Top	Bottom	Burst	80% Burst	TOC
13-3/8"	17-1/2"	48#	H-40	0'	382	2,730	2184	Surface (circ)
9-5/8"	12-1/4"	36#/40#	K-55	0'	5,200'	3,520	2816	1,451' (TS)
7"	8 3/4"	23#/26#	N-80/S-95/P-110	0	10,727'	6,340	5072	8,660' (TS)
4.5"	6 1/4"	11.6#	N-80	10630'	11,875'	7,780	6224	TOL

Date	Event
2/11/1972	Spud
4/2/1972	TD'd well DST (1): Interval 9910-9970. Tool opened and had gas to surface in 6 min on 1/2" choke. Rate 1780 MCFD at 260 psi. Opened 1.5 hours on 1/4" choke. Rate 850 MCFD at 585 psi. Recoverd 21 bbls of gas-distillate. ISIP: 4858, IF: 483 psi. FF 1156 psi. FSIP: 4422 psi DST (2) Interval 10255-465. Tool opened had gas to surface in 9 min on 1/2" choke. Rate 4,382 MCFD at 700 psi. ISIP: 4796 psi, IF: 1,153 psi, FF 1,370 psi, FSIP: 4783 psi DST (3) Interval 10755-11,073. Tool opened, weak blow to surface of air. No gas.
4/4/1972	Perforate Strawn as follows: 10,270-77, 10,385-89, 10,411-14, 10,421-24,10,444-58, and 10484-92 2spf Thru-tbg Gun Specs unknown.
6/14/1972	Perforate Morrow as follows: 11,486-88, 11,490-96,11,498-11,505, 11,507-09, 11,511-14, 11,516-22, and 11,524-26., 2spf Thru-Tbg Gun Specs unknown.

7/3-4/1973

Four Point Tests			
Morrow			
Choke	Rate	BHP	WH Pres.
5/64	1181.2	4,289	3383
10/64	2726.1	4084	3234
14/64	4482.5	3820	2924
26/64	7870.5	3224	1834

Strawn			
Choke	Rate	BHP	WH Pres.
9/64	1000.2	4,255	3121
12/64	1627	3726	2682
14/64	2209.2	3173	2254
18/64	2669	2472	1716

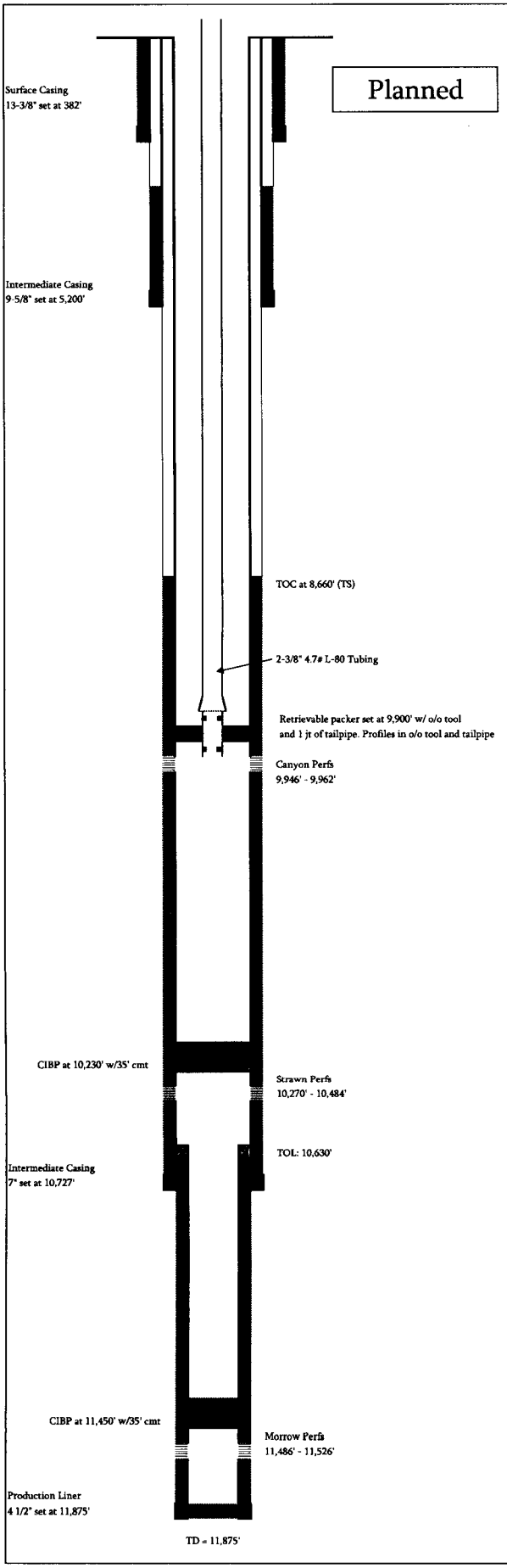
Date	Event
7/5/1972	Acidize Strawn with 5,000 gals of Mod 202 +N2. No details on treatment
7/11/1985	RU CTU on Morrow String. Jet well. Had fill at 10,700'. Clean out to 11,200'
8/13/1985	CT Foamed acid on Morrow. Pump 2,000 gals 7.5% HCL with N2. ISIP: 4,380 psi. 15 min: 3,110 psi

SITP Pressure Data		
	Strawn	Morrow
9/15/1978	962	
9/20/1979	1018	300
7/16/1982	600	328
6/3/1983	872	
8/3/1984	798	393
7/22/1985	491	355
9/15/1986		495
8/10/1987	448	457
9/11/1989	442	336
9/17/1990	470	325
12/6/1999	154	74
8/21/2000	153	160
10/6/2001	238	165
9/9/2002	160	130

9/25/2006 CSI compressor swapped out for Hanover compressor.

Note: Long string may be perforated allowing Morrow and Strawn production thru long tubing string.

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Field: South Carlsbad
County: Eddy County
State: New Mexico

Casing	Hole	Weight	Grade	Top	Bottom	Burst	80% Burst	TOC
13-3/8"	17-1/2"	48#	H-40	0'	382	2,730	2184	Surface (circ)
9-5/8"	12-1/4"	36#/40#	K-55	0'	5,200'	3,520	2816	1,451' (TS)
7"	8 3/4"	23#/26#	N-80/S-95/P-110	0	10,727'	6,340	5072	8,660' (TS)
4.5"	6 1/4"	11.6#	N-80	10630'	11,875'	7,780	6224	TOL

Date **Event**

2/11/1972 Spud

4/2/1972 TD'd well

DST (1): Interval 9910-9970. Tool opened and had gas to surface in 6 min on 1/2" choke. Rate 1780 MCFD at 260 psi. Opened 1.5 hours on 1/4" choke. Rate 850 MCFD at 585 psi. Recoverd 21 bbls of gas-distillate. ISIP: 4858, IF: 483 psi. FF 1156 psi. FSIP: 4422 psi

DST (2) Interval 10255-465. Tool opened had gas to surface in 9 min on 1/2" choke. Rate 4,382 MCFD at 700 psi. ISIP: 4796 psi, IF: 1,153 psi, FF 1,370 psi, FSIP: 4783 psi

DST (3) Interval 10755-11,073. Tool opened, weak blow to surface of air. No gas.

4/4/1972 Perforate Strawn as follows: 10,270-77, 10,385-89, 10,411-14, 10.421-24,10,444-58, and 10484-92 2spf Thru-tbg Gun Specs unknown.

6/14/1972 Perforate Morrow as follows: 11,486-88, 11,490-96,11,498-11,505, 11,507-09, 11,511-14, 11,516-22, and 11,524-26., 2spf Thru-Tbg Gun Specs unknown.

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Four Point Tests			
Morrow			
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Strawn			
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12/64	1627	3726	2682
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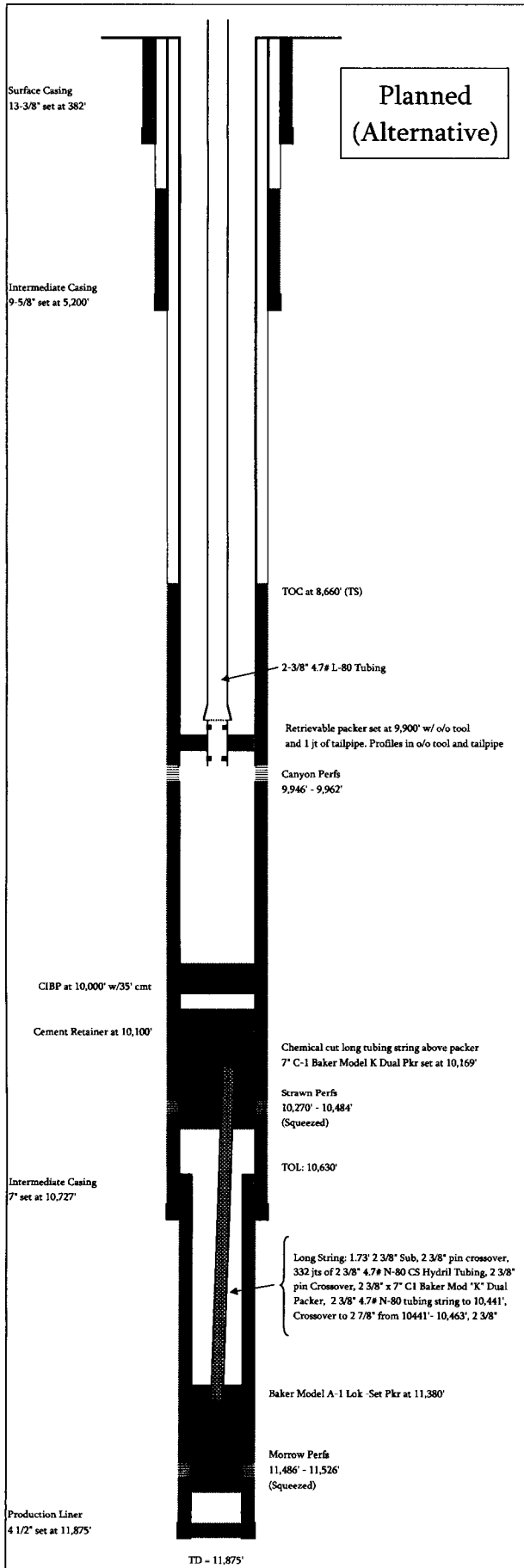
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State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

JUL - 2 2007
OCD-ARTESIA

Form C-103
May 27, 2004

WELL API NO. **30 - 015 - 20573**

5. Indicate Type of Lease STATE ☒ FEE ☐

6. State Oil & Gas Lease No. **K-6290**

7. Lease Name or Unit Agreement Name **Grace Carlsbad**

8. Well Number **001**

9. OGRID Number **233545**

10. Pool name or Wildcat **Carlsbad; Canyon, South (Gas) 73880**

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other

2. Name of Operator **BOLD ENERGY, LP**

3. Address of Operator **415 W. Wall, Suite 500 Midland, Texas 79701**

4. Well Location
Unit Letter **I** : **1980** feet from the **South** line and **660** feet from the **East** line
Section **36** Township **22S** Range **26E** NMPM County **Eddy**

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* **3207.8' GR**

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type_____ **Depth to Groundwater**_____ **Distance from nearest fresh water well**_____ **Distance from nearest surface water**_____

Pit Liner Thickness: _____ **mil** **Below-Grade Tank: Volume** _____ **bbls; Construction Material** _____

12. 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. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
OTHER: ☐		OTHER **Plug back and recomplete to Canyon** ☒	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

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I hereby certify that the information above is true and complete to the best of my knowledge and belief. **I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.**

SIGNATURE _____ TITLE **Operations Engineering Manager** DATE **6 / 27 / 07**

Type or print name **Shannon L. Klier** E-mail address: **shannon.klier@boldenergy.com** Telephone No. **432 / 686-1100**

For State Use Only

FOR RECORDS ONLY

JUL 0 6 2007

APPROVED BY: _____ TITLE _____ DATE _____

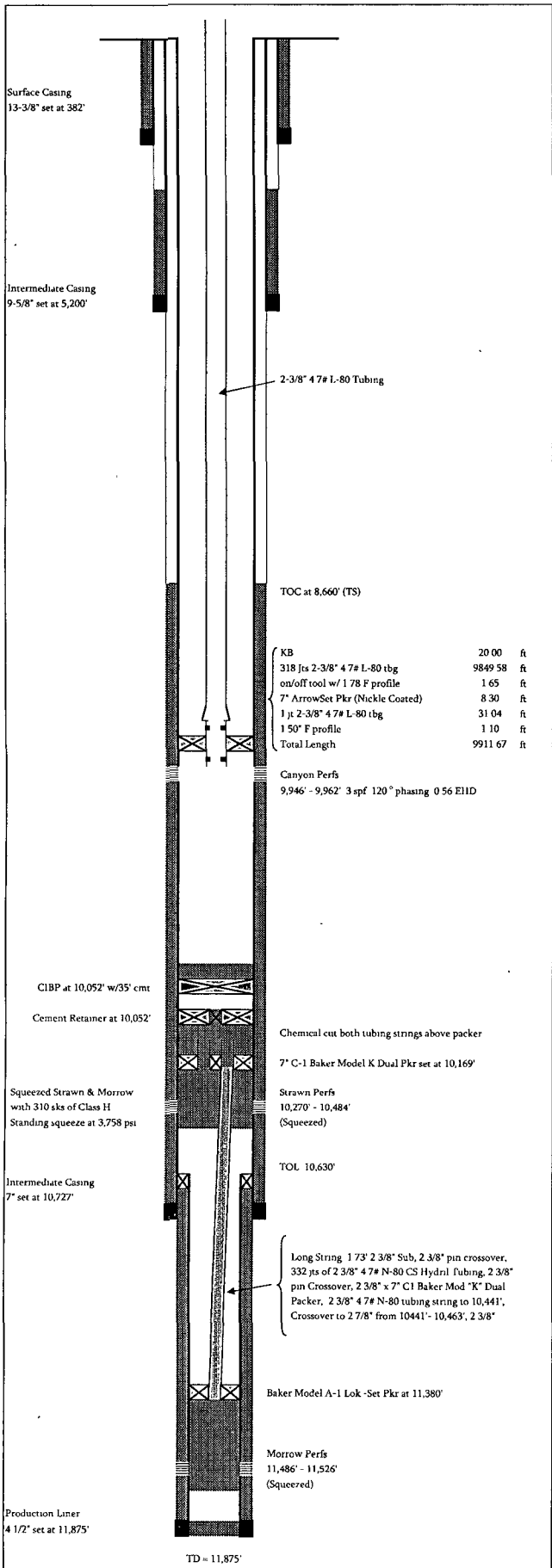
Conditions of Approval (if any):

BOLD ENERGY, LP — Grace Carlsbad #1

WI 100 0%
Elevation: 3,208' GL
KB. 3,228'
Meas. TD. 11,875
TVD: 11,875
PBD: 11764
Zone: Canyon

NRI: 80 0%
API: 30-015-20573
Surface Location 1980' FSL & 660' FEL
Legal Description Section 36 - T22S - R26E
Field. South Carlsbad
County Eddy County
State: New Mexico

Casing	Hole	Weight	Grade	Top	Bottom	Burst	80% Burst	TOC
13-3/8"	17-1/2"	48#	H-40	0'	382	2,730	2184	Surface (circ)
9-5/8"	12-1/4"	36#/40#	K-55	0'	5,200'	3,520	2816	1,451' (TS)
7"	8 3/4"	23#/26#	N-80/S-95/P-110	0	10,727'	6,340	5072	8,660' (TS)
4 5"	6 1/4"	11 6#	N-80	10630'	11,875'	7,780	6224	TOL



Date	Event
2/11/1972	Spud
4/2/1972	TD'd well
	DST (1) Interval 9910-9970 Tool opened and had gas to surface in 6 min on 1/2" choke Rate 1780 MCFD at 260 psi Opened 1 5 hours on 1/4" choke Rate 850 MCFD at 585 psi Recoverd 21 bbls of gas-distillate ISIP 4858, IF 483 psi FF 1156 psi FSIP 4422 psi
	DST (2) Interval 10255-465 Tool opened had gas to surface in 9 min on 1/2" choke Rate 4,382 MCFD at 700 psi ISIP 4796 psi, IF 1,153 psi, FF 1,370 psi, FSIP 4783 psi
	DST (3) Interval 10755-11,073 Tool opened, weak blow to surface of air No gas
4/4/1972	Perforate Strawn as follows 10,270-77, 10,385-89, 10,411-14, 10,421-24,10,444-58, and 10484-92 2spf Thru-tbg Gun Specs unknown
6/14/1972	Perforate Morrow as follows 11,486-88, 11,490-96,11,498-11,505, 11,507-09, 11,511-14, 11,516-22, and 11,524-26 , 2spf Thru-Tbg Gun Specs unknown

7/3-4/1973

Four Point Tests — Morrow			
Choke	Rate	BHP	WH Pres
5/64	1181 2	4,289	3383
10/64	2726 1	4084	3234
14/64	4482 5	3820	2924
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Choke	Rate	BHP	WH Pres
9/64	1000 2	4,255	3121
12/64	1627	3726	2682
14/64	2209 2	3173	2254
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7/5/1972	Acidize Strawn with 5,000 gals of Mod 202 +N2 No details on treatment	
7/11/1985	RU CTU on Morrow String Jet well Had fill at 10,700' Clean out to 11,200'	
8/13/1985	CT Foamed acid on Morrow Pump 2,000 gals 7 5% HCL with N2 ISIP 4,380 psi 15 min 3,110 psi	

SITP Pressure Data		
	Strawn	Morrow
9/15/1978	962	
9/20/1979	1018	300
7/16/1982	600	328
6/3/1983	872	
8/3/1984	798	393
7/22/1985	491	355
9/15/1986		495
8/10/1987	448	457
9/11/1989	442	336
9/17/1990	470	325
12/6/1999	154	74
8/21/2000	153	160
10/6/2001	238	165
9/9/2002	160	130

9/25/2006	CSI compressor swapped out for Hanover compressor	
6/18/2007	Begin operations to recomplete to Canyon MIRU PU and F/B tank Pumped FW to kill both tubing strings	
6/19/2007	Shot equalizing holes in long string Found collar stop at 10,055' in short string Shot equalizing holes in SS Worked to release seal assembly on short string Would not release Cut SS at 10,054' LD SS	
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6/21/2007	Ran casing scraper to 10,052' TIH w/ CR	
6/22/2007	Finish RIH with CR and set at 10,052' Pumped 310 sks Class H + 0 3% D-167 + 0 2% D-65 + 0 2% DB (Yeild = 65 7 bbls at 15 6 ppg) Standing squeeze at 3,758 psi	
6/25/2007	Ran correlation log and perforated Canyon 9,946' - 9,962' at 3 spf w/ 120 ° phasing and 0 56" EHD Ran completion assembly as follows	

KB	20 00 ft	
318 Jts 2-3/8" 4 7# L-80 tbg	9849 58 ft	
on/off tool w/ 1 78 F profile	1 65 ft	
7" ArrowSet Pkr (Nickle Coated)	8 30 ft	Pkr set w/ 12K 1 BS compression
1 jt 2-3/8" 4 7# L-80 tbg	31 04 ft	
1 50" F profile	1 10 ft	
Total Length	9911 67 ft	

6/26/2007	Blew well down - flowed 30 bbls and died SI for 9 hrs SITP = 2,800 psi Blew well down - flowed 2 bbls and died Acidized as follows 4,000 gallons 15% HCL acid + 50 1 3 SG BS at 7 3 bpm at 3,600 psi Final pressure = 5,136 psi ISIP = 2400 psi 5 min SIP = 1881 psi 10 min SIP = 1695 psi 15 min SIP = 1556 psi LTR = 183 bbls Opened well with SI TP = 1100 psi Pressure increased to 2200 psi on 20/64" ck Recovered 50 BLW Gassing heavily
6/27/2007	SITP = 3075 psi Duke changed orifice plate and obtained gas sample SI well until D Money returns from vacation

Submit 3 Copies To Appropriate District Office
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District II
1301 W. Grand Ave., 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 and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
May 27, 2004

WELL API NO. **30 - 015 - 20573**

5. Indicate Type of Lease STATE ☒ FEE ☐

6. State Oil & Gas Lease No. **K-6290**

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name: **Grace Carlsbad**

1. Type of Well: Oil Well ☐ Gas Well ☒ Other

JUL - 2 2007
OCD-ARTESIA

8. Well Number: **001**

2. Name of Operator: **BOLD ENERGY, LP**

9. OGRID Number: **233545**

3. Address of Operator: **415 W. Wall, Suite 500 Midland, Texas 79701**

10. Pool name or Wildcat: **Carlsbad; Canyon, South (Gas) 73880**

4. Well Location
Unit Letter **I** : **1980** feet from the **South** line and **660** feet from the **East** line
Section **36** Township **22S** Range **26E** NMPM County **Eddy**

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* **3207.8' GR**

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type_____ Depth to Groundwater_____ Distance from nearest fresh water well_____ Distance from nearest surface water_____

Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

12. 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.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
OTHER:	☐			OTHER **Plug back and recomplete to Canyon**	☒		

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

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SIGNATURE _____ TITLE **Operations Engineering Manager** DATE **6 / 27 / 07**

Type or print name **Shannon L. Klier** E-mail address: **shannon.klier@boldenergy.com** Telephone No. **432 / 686-1100**

For State Use Only

FOR RECORDS ONLY

JUL 0 6 2007

APPROVED BY: _____ TITLE _____ DATE _____

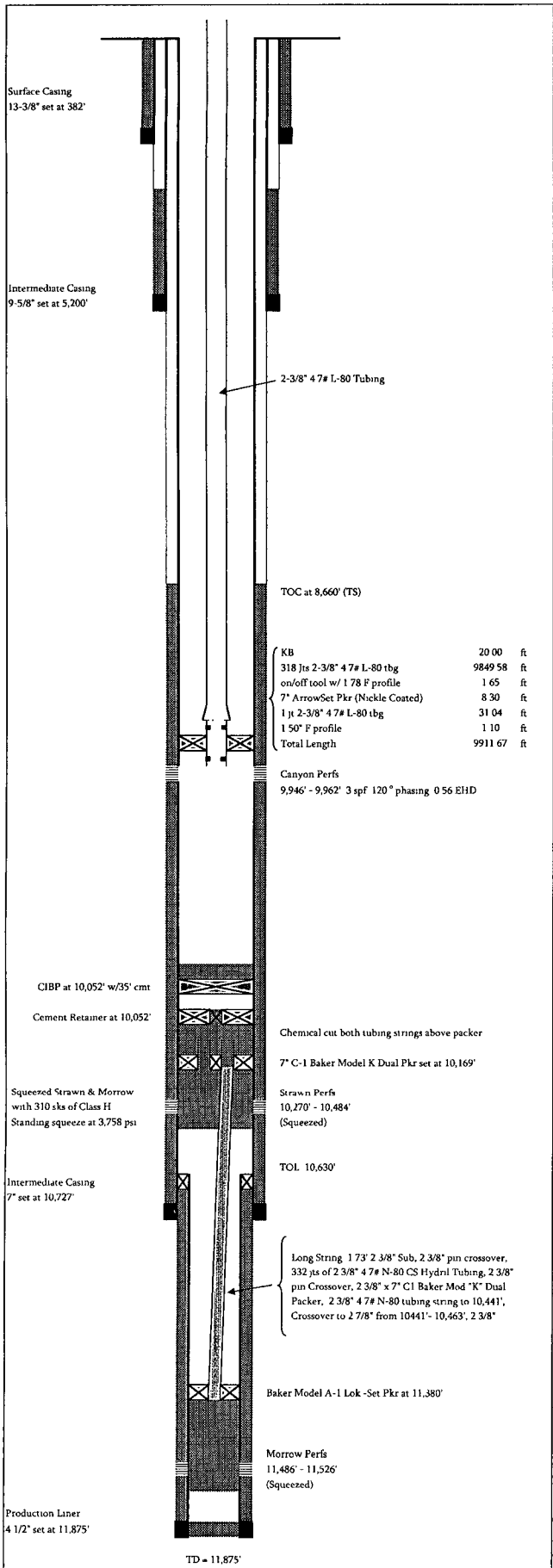
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BOLD ENERGY, LP — Grace Carlsbad #1

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Total Length	9911 67 ft	

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Submit To Appropriate District Office
State Lease - 6 copies
Fee Lease - 5 copies
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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 and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-105
Revised June 10, 2003

WELL API NO. **30-015-20573**

5. Indicate Type of Lease STATE ☒ FEE ☐

State Oil & Gas Lease No. **K-6290**

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER

b. Type of Completion: NEW WELL ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☒ DIFF. RESVR. ☐ OTHER

7. Lease Name or Unit Agreement Name: **Grace Carlsbad**

2. Name of Operator: **BOLD ENERGY, LP**

JUL 27 2007
OCD-ARTESIA

8. Well No. **001**

3. Address of Operator: **415 W. Wall Street, Suite 500 Midland, Texas 79701**

9. Pool name or Wildcat: **Carlsbad; Canyon, South (Gas)**

4. Well Location

Unit Letter **I** : **1980** Feet From The **South** Line and **660** Feet From The **East** Line

Section **36** Township **22S** Range **26E** NMPM **Eddy** County

10. Date Spudded	11. Date T.D. Reached	12. Date Compl. (Ready to Prod.)	13. Elevations (DF& RKB, RT, GR, etc.)	14. Elev. Casinghead
2/11/72	4/2/72	6/27/07	3207.8' (GR)	

15. Total Depth	16. Plug Back T.D.	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By	Rotary Tools	Cable Tools
11,875'	10,015'				

19. Producing Interval(s), of this completion - Top, Bottom, Name: **9,946' – 9,962' Canyon**

20. Was Directional Survey Made

21. Type Electric and Other Logs Run: **Gamma Ray CCL Correlation Log**

22. Was Well Cored

23. **CASING RECORD** (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
17.5"	13.375"	48#	382'	400	Surface (circ)
12.25"	9.625"	36/40#	5,200'	1,200	1,451' (TS)
8.75"	7"	23/26#	10,727'	335	8,660' (TS)

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
6.125"	10,630'	11,875'	200	

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2.375"	9,912'	9,871'

26. Perforation record (interval, size, and number)

9,946' – 9,962' 3 spf 48 holes 120° phasing 0.56" EHD

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
10,270' – 10,484'	310 sks Class H cmt (squeeze)
11,486' – 11,526'	Included with 310 sks listed above (squeeze)
9,946' – 9,962'	4,000 gal 15% NEFE + 50 1.3 SG ball sealers

28 **PRODUCTION**

Date First Production	Production Method *(Flowing, gas lift, pumping - Size and type pump)*	Well Status *(Prod. or Shut-in)*
7/10/07	Flowing	Producing

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
7/11/07	24	48/64"		3	1343	9	448 mcf/bbl

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - *(Corr.)*
550	500		3	1343	9	Not Available

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)*: **Sold**

Test Witnessed By: **Donny Money**

30. List Attachments: **Halliburton Gamma Ray CCL Correlation Log**

31. *I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief*

Signature [signature] Printed Name **Shannon L. Klier** Title **Operations Engineering Manager** Date **7/25/07**

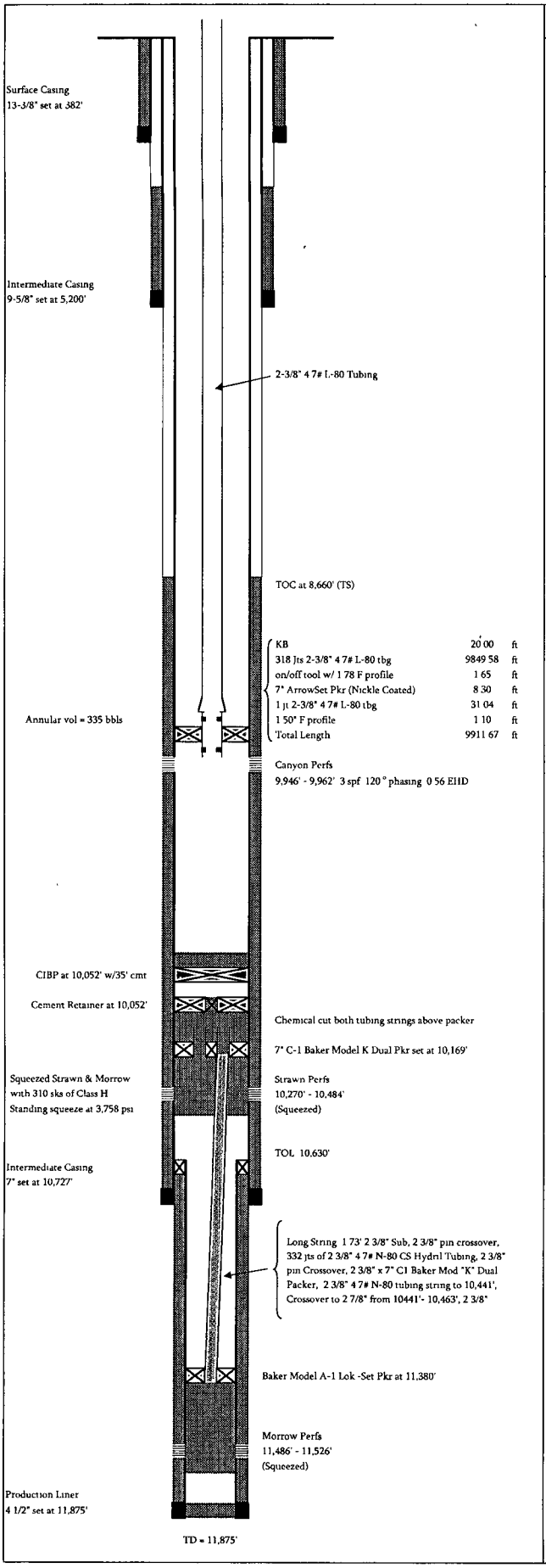
E-mail Address **shannon.klier@boldenergy.com**

BOLD ENERGY, LP — Grace Carlsbad #1

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4/2/1972	TD'd well DST (1) Interval 9910-9970 Tool opened and had gas to surface in 6 min on 1/2" choke Rate 1780 MCFD at 260 psi Opened 1 5 hours on 1/4" choke Rate 850 MCFD at 585 psi Recoverd 21 bbls of gas-distillate ISIP 4858, IF 483 psi FF 1156 psi FSIP 4422 psi DST (2) Interval 10255-465 Tool opened had gas to surface in 9 min on 1/2" choke Rate 4,382 MCFD at 700 psi ISIP 4796 psi, IF 1,153 psi, FF 1,370 psi, FSIP 4783 psi DST (3) Interval 10755-11,073 Tool opened, weak blow to surface of air No gas
4/4/1972	Perforate Strawn as follows 10,270-77, 10,385-89, 10,411-14, 10,421-24,10,444-58, and 10484-92 2spf Thru-tbg Gun Specs unknown
6/14/1972	Perforate Morrow as follows 11,486-88, 11,490-96,11,498-11,505, 11,507-09, 11,511-14, 11,516-22, and 11,524-26 , 2spf Thru-Tbg Gun Specs unknown

7/3-4/1973

Four Point Tests Morrow			
Choke	Rate	BHP	WH Pres
5/64	1181 2	4,289	3383
10/64	2726 1	4084	3234
14/64	4482 5	3820	2924
26/64	7870 5	3224	1834

Strawn			
Choke	Rate	BHP	WH Pres
9/64	1000 2	4,255	3121
12/64	1627	3726	2682
14/64	2209 2	3173	2254
18/64	2669	2472	1716

7/5/1972	Acidize Strawn with 5,000 gals of Mod 202 +N2 No details on treatment
7/11/1985	RU CTU on Morrow String Jet well Had fill at 10,700' Clean out to 11,200'
8/13/1985	CT Foamed acid on Morrow Pump 2,000 gals 7 5% HCL with N2 ISIP 4,380 psi 15 min 3,110 psi

SITP Pressure Data		
	Strawn	Morrow
9/15/1978	962	
9/20/1979	1018	300
7/16/1982	600	328
6/3/1983	872	
8/3/1984	798	393
7/22/1985	491	355
9/15/1986		495
8/10/1987	448	457
9/11/1989	442	336
9/17/1990	470	325
12/6/1999	154	74
8/21/2000	153	160
10/6/2001	238	165
9/9/2002	160	130

9/25/2006	CSI compressor swapped out for Hanover compressor
6/18/2007	Begin operations to recomplete to Canyon MIRU PU and F/B tank Pumped FW to kill both tubing strings
6/19/2007	Shot equalizing holes in long string Found collar stop at 10,055' in short string Shot equalizing holes in SS Worked to release seal assembly on short string Would not release Cut SS at 10,054' LD SS
6/20/2007	Cut LS at 10,150' LD LS
6/21/2007	Ran casing scraper to 10,052' 1IH w/ CR
6/22/2007	Finish RIH with CR and set at 10,052' Pumped 310 sks Class H + 0 3% D-167 + 0 2% D-65 + 0 2% DB (Yeild = 65 7 bbls at 15 6 ppg) Standing squeeze at 3,758 psi
6/25/2007	Ran correlation log and perforated Canyon 9,946' - 9,962' at 3 spf w/ 120 ° phasing and 0 56" EHD Ran completion assembly as follows

KB	20 00 ft	
318 Jts 2-3/8" 4 7# L-80 tbg	9849 58 ft	
on/off tool w/ 1 78 F profile	1 65 ft	
7" ArrowSet Pkr (Nickle Coated)	8 30 ft	Pkr set w/ 12K LBS compression
1 jt 2-3/8" 4 7# L-80 tbg	31 04 ft	
1 50" F profile	1 10 ft	
Total Length	9911 67 ft	

6/26/2007	Blew well down - flowed 30 bbls and died SI for 9 hrs SITP = 2,800 psi Blew well down - flowed 2 bbls and died Acidized as follows 4,000 gallons 15% HCL acid + 50 1 3 SG BS at 7 3 bpm at 3,600 psi Final pressure = 5,136 psi ISIP = 2400 psi 5 min SIP = 1881 psi 10 min SIP = 1695 psi 15 min SIP = 1556 psi LTR = 183 bbls Opened well with SITP = 1100 psi Pressure increased to 2200 psi on 20/64" ck Recovered 50 BLW Gassing heavily
6/27/2007	SITP = 3075 psi Duke changed orifice plate and obtained gas sample SI well until D Money returns from vacation
7/10/2007	First Sales

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(505) 393-6161 Fax:(505) 393-0720
District II
1301 W. Grand Ave., Artesia, NM 88210
Phone:(505) 748-1283 Fax:(505) 748-9720

State of New Mexico
Energy, Minerals and Natural Resources

Form C-145
Permit 77339

Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Change of Operator

Previous Operator Information		New Operator Information	
		Effective Date:	6/1/2008
OGRID:	233545	OGRID:	16696
Name:	BOLD ENERGY, L.P.	Name:	OXY USA INC
Address:	PO Box 4294	Address:	PO Box 4294
Address:		Address:	
City, State, Zip:	Houston, TX 77210	City, State, Zip:	Houston , TX 77210

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information on this form and the certified list of wells is true to the best of my knowledge and belief.

Previous Operator		New Operator	
Signature:	Elizabeth S Bush-Ivie	Signature:	Elizabeth S Bush-Ivie
Printed Name:	Elizabeth S. Bush-Ivie	Printed Name:	Elizabeth S. Bush-Ivie
Title:	Regulatory Lead	Title:	Regulatory Team Leader
Date:	9/11/08	Date:	9/11/08
Phone:	713-366-5303	Phone:	713-366-5303

NMOCD Approval

Electronic Signature: Paul Kautz, District 1
Electronic Signature: Tim Gum, District 2
Date: January 06, 2009

ChangeOp Comments

OGRID: [233545] BOLD ENERGY, L.P.
Permit Number: 77339
Permit Type: ChangeOp

Created By	Comment	Comment Date
ESBUSHIVIE	Letter sent to D. Brooks regarding acquistion of BOLD, name change and change of operator 6/20/08	6/20/2008
ESBUSHIVIE	Bond on Antelope Ridge submitted 9/8/08. Will submit an ACO for consideration for OXY regarding the inactaive well list next week.	9/11/2008
DPHILLIPS	I show OXY USA under Rule 40 Violation. Please contact Sonny Swazo at 505-476-3463 and I also show one well requiring bonding on your FINANCIAL ASSURANCE REPORT - 30-025-22931. Questions? Call me 505-476-3461.	9/12/2008
DPHILLIPS	I show one well requiring bonding on your financial assurance report - 30-025-22931 in the amount of $15,315. I also show that you are in violation of Rule 40. Please contact Sonny Swazo at 505-476-3463. Thank you.	11/3/2008
DPHILLIPS	Bonding required on one well for OXY on Financial Assurance report - 30-025-22931. Call me 505-476-3461	11/20/2008
ESBUSHIVIE	ACOI executed 11/19/08. Aztec well is not inactive production information is being resubmitted. Please approve COO.	11/24/2008
DPHILLIPS	A well is out of compliance on your financial assurance report. I cannot approve any change of operator until I receiving bonding for 30-025-22931. Questions? Call me at 505-476-3461	12/1/2008
ESBUSHIVIE	30-025-22931 is on the agreed compliance order. It is not out of compliance per the TA rules because it has continued to operate. However, PXP incorrectly filed the information and we are waiting for them to correct the issue so we can correct the data to date. Please process this COO as we have previously explained.	12/18/2008
DPHILLIPS	I cannot approve any change of operator until OXY is in good financial status. I show one well requiring bonding 30-025-22931 in the amount of $15,315.	12/18/2008
DPHILLIPS	Cannot approve change of operator until no wells appear requiring bonding on Financial Assurance. One well requires bonding 30-025-22931.	12/18/2008

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 87240
District II
1301 W. Grand Ave., 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 and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
May 27, 2004

WELL API NO. 30-015-20573

5. Indicate Type of Lease STATE [X] FEE [ ]

6. State Oil & Gas Lease No. K6290

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

RECEIVED
JUN 21 2010
NMOCD ARTESIA

7. Lease Name or Unit Agreement Name: Grace Carlsbad

1. Type of Well: Oil Well [ ] Gas Well [X] Other

8. Well Number 1

2. Name of Operator OXY USA Inc.

9. OGRID Number 16696

3. Address of Operator P.O. Box 50250 Midland, TX 79710-0250

10. Pool name or Wildcat Carlsbad Canyon, South (Gas)

4. Well Location

Unit Letter I : 1980 feet from the south line and 660 feet from the east line

Section 36 Township 22S Range 26E NMPM County Eddy

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 3208'' GR

Notify OCD 24 hrs. prior to any work done.

Pit or Below-grade Tank Application [ ] or Closure [ ]

Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____

Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

12. 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	[X]	REMEDIAL WORK	[ ]	ALTERING CASING	[ ]
TEMPORARILY ABANDON	[ ]	CHANGE PLANS	[ ]	COMMENCE DRILLING OPNS.	[ ]	PLUG AND ABANDONMENT	[ ]
PULL OR ALTER CASING	[ ]	MULTIPLE COMPLETION	[ ]	CASING TEST AND CEMENT JOB	[ ]		
OTHER:	[ ]			OTHER:			[ ]

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

See Attachment

I hereby certify that the information above is true and complete to the best of my knowledge and belief. **I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines [ ], a general permit [ ] or an (attached) alternative OCD-approved plan [ ]**

SIGNATURE _____ TITLE Sr. Regulatory Analyst DATE 6/18/10

E-mail address: david_stewart@oxy.com

Type or print name David Stewart Telephone No. 432-685-5717

For State Use Only

APPROVED BY _____ TITLE Approval Granted providing work is complete by 9/23/2010 DATE 6/23/2010

Conditions of Approval, if any:

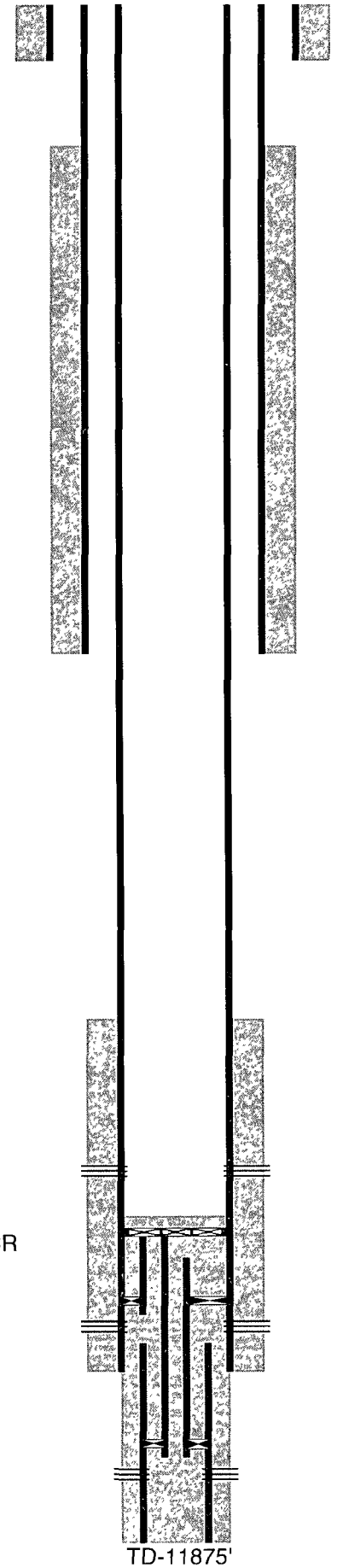
TD-11875' PBTD-10015' Perfs-9946-9962'

13-3/8" 48# csg @ 382' w/ 400sx, 17-1/2" hole, TOC-Surf-Circ
9-5/8" 36-40# csg @ 5200', w/ 1200sx, 12-1/4" hole, TOC-1451'-TS
7" 23-26# csg @ 10727' w/ 335sx, 8-3/4" hole, TOC-8606'-TS
4-1/2" liner @ 10634-11875' w/ 200sx, 6-1/4" hole, TOC-10634'-Circ

1. RIH & set CIBP @ 9896', M&P 25sx cmt
2. Cut & pull 7" csg @ +/- 8500'
3. M&P 70sx cmt @ 8595-8405' WOC-Tag
4. M&P 80sx cmt @ 7055-6885'
5. M&P 70sx cmt @ 5250-5100' WOC-Tag
6. M&P 65sx cmt @ 3630-3494'
7. M&P 60sx cmt @ 2025-1905' WOC-Tag
8. Perf 9-5/8" csg @ 432', sqz 350sx cmt to surface
   10# MLF between plugs

If CSG Not Pulled. cmt Plugs will be Perf. & Sqzd -TAS.

OXY USA Inc.
Grace Carlsbad #1
API No. 30-015-20573



17" hole @ 382'
13-3/8" csg @ 382'
w/ 400sx-TOC-Surf-Circ

12-1/4" hole @ 5200'
9-5/8" csg @ 5200'
w/ 1200sx-TOC-1451'-TS

Perfs @ 9946-9962'

PB-10015'

6/07-CR @ 10052' sqz w/ 310sx w/ 35' on CR

8-3/4" hole @ 10727'
7" csg @ 10727'
w/ 335sx-TOC-8606-TS

Fish left in hole consisting of
Mod K Dual Pkr @ 10169'
SS-2-3/8" tbg @ 10054-10169'
LS-2-3/8" tbg @ 10150-11380'
Mod A Pkr @ 11380'

Perfs @ 10270-10492'

6-1/4" hole @ 11875'
4-1/2" liner @ 10634-11875'
w/ 200sx-TOC-10634'-Circ

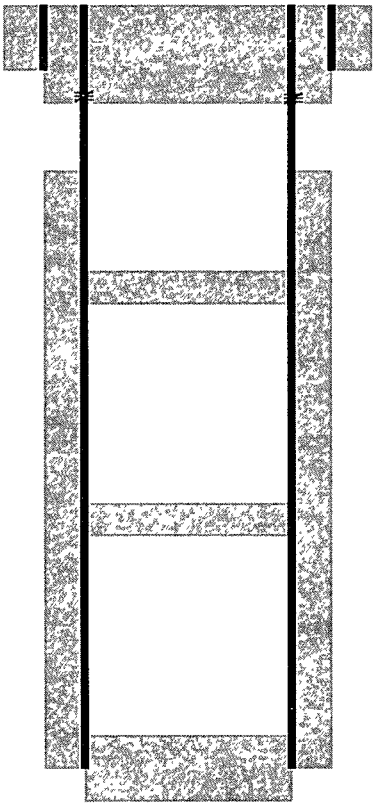
Perfs @ 11486-11514'

PB-11764'

TD-11875'

OXY USA Inc. - Proposed
Grace Carlsbad #1
API No. 30-015-20573

350sx @ 432'-Surface



17" hole @ 382'
13-3/8" csg @ 382'
Perf @ 432' w/ 400sx-TOC-Surf-Circ

60sx @ 2025-1905'

65sx @ 3630-3494'

12-1/4" hole @ 5200'
9-5/8" csg @ 5200'
70sx @ 5250-5100' WOC-Tag w/ 1200sx-TOC-1451'-TS

80sx @ 7055-6885'

70sx @ 8595-8405' WOC-Tag

Cut & Pull 7" @ +/- 8500'

CIBP @ 9896' w/ 25sx

Perfs @ 9946-9962'

PB-10015'

6/07-CR @ 10052' sqz w/ 310sx w/ 35' on CR

8-3/4" hole @ 10727'
7" csg @ 10727'
w/ 335sx-TOC-8606-TS

Fish left in hole consisting of
Mod K Dual Pkr @ 10169'
SS-2-3/8" tbg @ 10054-10169'
LS-2-3/8" tbg @ 10150-11380'
Mod A Pkr @ 11380'

Perfs @ 10270-10492'

6-1/4" hole @ 11875'
4-1/2" liner @ 10634-11875'
w/ 200sx-TOC-10634'-Circ

Perfs @ 11486-11514'

PB-11764'

TD-11875'

19.15.26.11 NMAC. I understand that when there is a continuous one-year period of non-injection into all wells in an injection or storage project or into a saltwater disposal well or special purpose injection well, authority for that injection automatically terminates. See 19.15.26.12 NMAC. I understand that if I transfer operation of an injection well to another operator, the OCD must approve the transfer of authority to inject, and the OCD may require me to demonstrate the well's mechanical integrity prior to approving that transfer. See 19.15.26.15 NMAC.

9. I am responsible for providing the OCD with my current address of record and emergency contact information, and I am responsible for updating that information when it changes. See 19.15.9.8.C NMAC. I understand that I can update that information on the OCD's website under "Electronic Permitting."
10. If I transfer well operations to another operator, the OCD must approve the change before the new operator can begin operations. See 19.15.9.9.B NMAC. I remain responsible for the wells and related facilities and all related regulatory filings until the OCD approves the operator change. I understand that the transfer will not relieve me of responsibility or liability for any act or omission which occurred while I operated the wells and related facilities.

NMOCD Approval

Electronic Signature: Randy Dade, District 2

Date: October 27, 2010

District II
1301 W. Grand Ave., Artesia, NM 88210
Phone:(505) 748-1283 Fax:(505) 748-9720

Form C-101
Permit 85539

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address	2. OGRID Number
MARBOB ENERGY CORP PO Box 227 Artesia , NM 88211	14049
	3. API Number 30-015-36804

4. Property Code	5. Property Name	6. Well No.
37503	LEFT FIELD FEE	001

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
F	32	22S	27E	F	1510	N	1980	W	EDDY

8. Pool Information

OTIS;MORROW (GAS)	82360

Additional Well Information

9. Work Type	10. Well Type	11. Cable/Rotary	12. Lease Type	13. Ground Level Elevation
New Well	GAS		Private	3161
14. Multiple	**15. Proposed Depth**	**16. Formation**	**17. Contractor**	**18. Spud Date**
N	12000	Morrow		12/20/2008

Depth to Ground water	Distance from nearest fresh water well	Distance to nearest surface water

Pit: Liner: Synthetic ☐ mils thick Clay ☐ Pit Volume: bbls Drilling Method:
Closed Loop System ☐ Fresh Water ☒ Brine ☐ Diesel/Oil-based ☐ Gas/Air ☐

19. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	300	300	0
Int1	12.25	9.625	36	1800	400	0
Int2	8.75	7	23	8900	700	1300
Prod	6.125	4.5	11.6	12000	300	8400

Casing/Cement Program: Additional Comments

We propose to drill 17 1/2 inch hole to 300 ft with fresh water, run 48 lb H-40 13 3/8 inch csg and set at 300 ft with 300 sx cmt, circ to surface; drl 12 1/4 inch hole to 1800 ft with brine water, run 36 lb J-55 9 5/8 inch csg and set at 1800 ft with 400 sx cmt, circ to surface; drl 8 3/4 inch hole to 8900 ft with cut brine water, run 7 inch 23 lb N80-P110 csg and set at 8900 ft with 700 sx cmt, 1500'. drl 6 1/8 inch hole to 12000 ft with cut brine water, run 4 1/2 inch 11.6 lb P110 csg and set at 12000 ft with 300 sx cmt, 8700'.

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	5000	5000	CAMERON

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. **I further certify that the drilling pit will be constructed according to NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.**	OIL CONSERVATION DIVISION
	Approved By: Tim Gum
Printed Name: Electronically filed by Diana Briggs	Title: District Supervisor
Title: Production Analyst	Approved Date: 12/10/2008 | Expiration Date: 12/10/2010
Email Address: production@marbob.com	
Date: 11/21/2008 | Phone: 505-748-3303	Conditions of Approval Attached

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(505) 393-6161 Fax:(505) 393-0720
District II
1301 W. Grand Ave., Artesia, NM 88210
Phone:(505) 748-1283 Fax:(505) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-102
Permit 85539

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number	2. Pool Code	3. Pool Name	
30-015-36804	82360	OTIS;MORROW (GAS)	
4. Property Code	5. Property Name		6. Well No.
37503	LEFT FIELD FEE		001
7. OGRID No.	8. Operator Name		9. Elevation
14049	MARBOB ENERGY CORP		3161

10. Surface Location

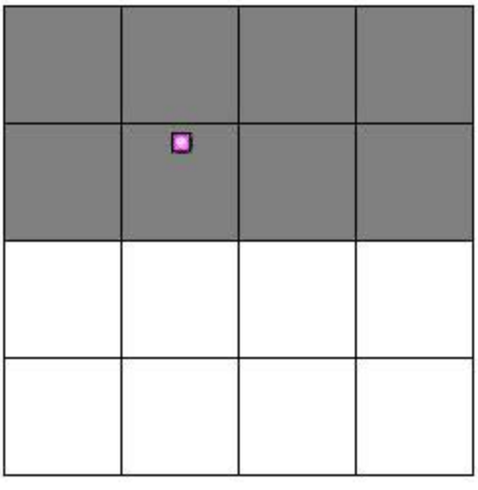
UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
F	32	22S	27E	F	1510	N	1980	W	EDDY

11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County

12. Dedicated Acres	13. Joint or Infill	14. Consolidation Code	15. Order No.
320.00			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

E-Signed By: Diana Briggs
Title: Production Analyst
Date: 11/21/2008

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.

Surveyed By: Ronald Eidson
Date of Survey: 3/22/2007
Certificate Number: 3239

Permit Comments

Operator: MARBOB ENERGY CORP , 14049
Well: LEFT FIELD FEE #001
API: 30-015-36804

Created By	Comment	Comment Date
MARBOB4	We plan to complete this well in the Morrow and do not anticipate cutting any formations during drilling that contain H2S gas. Therefore we do not believe an H2S contingency plan is necessary.	11/20/2008

Permit Conditions of Approval

Operator: MARBOB ENERGY CORP , 14049
Well: LEFT FIELD FEE #001
API: 30-015-36804

OCD Reviewer	Condition
TGUM	NOTE: CHANGE OF CMT TIE BACK ON IND AND PROD CAGS.

District I
1625 N French Dr., Hobbs, NM 88240
District II
1301 W Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Department
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

DEC 12 2008
OCD-ARTESIA

Form C-144 CLEZ
July 21, 2008

For closed-loop systems *that only use above ground steel tanks or haul-off bins and propose to implement waste removal for closure*, submit to the appropriate NMOCD District Office.

Closed-Loop System Permit or Closure Plan Application

(that only use above ground steel tanks or haul-off bins and propose to implement waste removal for closure)

Type of action: ☒ Permit ☐ Closure

Instructions: Please submit one application (Form C-144 CLEZ) per individual closed-loop system request. For any application request other than for a closed-loop system that only use above ground steel tanks or haul-off bins and propose to implement waste removal for closure, please submit a Form C-144.

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1.
Operator: **Marbob Energy Corporation** OGRID #: **14049**
Address: **P.O. Box 227, Artesia, NM 88211-0227**
Facility or well name: **Left Field Fee #1**
API Number: **30-015-36804** OCD Permit Number:
U/L or Qtr/Qtr **Unit F** Section **32** Township **22S** Range **27E** County: **Eddy**
Center of Proposed Design: Latitude Longitude NAD: ☐ 1927 ☐ 1983
Surface Owner: ☐ Federal ☐ State ☒ Private ☐ Tribal Trust or Indian Allotment

2.
☒ **Closed-loop System:** Subsection H of 19.15.17.11 NMAC
Operation: ☒ Drilling a new well ☐ Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent) ☐ P&A
☐ Above Ground Steel Tanks or ☒ Haul-off Bins

3.
Signs: Subsection C of 19.15.17.11 NMAC
☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers
☒ Signed in compliance with 19.15.3.103 NMAC

4.
Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.
☒ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
☒ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
☒ Closure Plan (Please complete Box 5) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
☐ Previously Approved Design (attach copy of design) API Number:
☐ Previously Approved Operating and Maintenance Plan API Number:

5.
Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13.D NMAC)
Instructions: Please indentify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two facilities are required.
Disposal Facility Name: Controlled Recovery, Inc. Disposal Facility Permit Number: R-9166
Disposal Facility Name: Disposal Facility Permit Number:
Will any of the proposed closed-loop system operations and associated activities occur on or in areas that *will not* be used for future service and operations?
☐ Yes (If yes, please provide the information below) ☒ No

Required for impacted areas which will not be used for future service and operations:
☐ Soil Backfill and Cover Design Specifications - - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC
☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

6.
Operator Application Certification:
I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.
Name (Print): Nancy T. Agnew Title: Land Department
Signature: Nancy T. Agnew Date: 12/11/08
e-mail address: landtech@marbob.com Telephone: 575-748-3303

0208790

7.
OCD Approval: ☑ Permit Application (including closure plan) ☐ Closure Plan (only)

OCD Representative Signature: TIM W. GUM DISTRICT II SUPERVISOR **Approval Date:** 12-12-08

Title: _____ **OCD Permit Number:** 0208790

8.
Closure Report (required within 60 days of closure completion): Subsection K of 19.15.17.13 NMAC

Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.

☐ **Closure Completion Date:** _____

9.
Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:

Instructions: Please indentify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized.

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Were the closed-loop system operations and associated activities performed on or in areas that *will not* be used for future service and operations?

☐ Yes (If yes, please demonstrate compliance to the items below) ☐ No

Required for impacted areas which will not be used for future service and operations:

☐ Site Reclamation (Photo Documentation)
☐ Soil Backfilling and Cover Installation
☐ Re-vegetation Application Rates and Seeding Technique

10.
Operator Closure Certification:

I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

Name (Print): _____ Title: _____

Signature: _____ Date: _____

e-mail address: _____ Telephone: _____

Design Plan
Operating and Maintenance Plan
Closure Plan

Left Field Fee #1
1510' FNL & 1980' FWL
Section 32, T22S – R27E, Eddy County

Marbob will be using all above ground steel pits for fluid and cuttings while drilling. If any tank develops a leak we will have immediate visual discovery, we would then transfer the fluid to another tank then remove any contaminated soil and dispose of it in the cuttings bins for transportation. All leaks should be kept to less than 5 barrels. Rig crews will monitor the tanks at all times.

Equipment List:
2- Mongoose Shale Shakers
1- 414 Centrifuge
1- 518 Centrifuge
2- Roll Off Bins w/ Tracks
2- 500 BBL Frac Tanks

During drilling operations all liquids, drilling fluids and cuttings will be hauled off via CRI (Controlled Recovery Inc.) Permit R-9166 or any other approved facility.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
1301 W. Grand Ave., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-145
Permit 122035

Change of Operator

Previous Operator Information		New Operator Information	
		Effective Date:	Effective on the date of approval by the OCD
OGRID:	14049	OGRID:	229137
Name:	MARBOB ENERGY CORP	Name:	COG OPERATING LLC
Address:	PO Box 227	Address:	550 W TEXAS
			SUITE 1300
City, State, Zip:	Artesia, NM 882110227	City, State, Zip:	MIDLAND , TX 79701

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information on this form and the certified list of wells is true to the best of my knowledge and belief.

Additionally, by signing below, COG OPERATING LLC certifies that it has read and understands the following synopsis of applicable rules.

Previous Operator		New Operator	
Signature:	Raye Miller	Signature:	Diane Kuykendall
Printed Name:	Raye Miller	Printed Name:	Diane Kuykendall
Title:	Attorney-in-fact	Title:	Prod. Reporting Mgr
Date:	10/21/10 Phone: 575-748-3303	Date:	10/21/10 Phone: 432-685-4372

NMOCD Approval
Electronic Signature: Randy Dade, District 2
Date: October 27, 2010

COG OPERATING LLC certifies that all below-grade tanks constructed and installed prior to June 16, 2008 associated with the selected wells are in compliance with 19.15.17 NMAC, have been closed pursuant to 19.15.17.13 NMAC, or have been retrofitted to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC.

COG OPERATING LLC understands that the OCD's approval of this operator change:

1. constitutes approval of the transfer of the permit for any permitted pit, below-grade tank or closed-loop system associated with the selected wells; and
2. constitutes approval of the transfer of any below-grade tanks constructed and installed prior to June 16, 2008 associated with the selected wells, regardless of whether the transferor has disclosed the existence of those below-grade tanks to the transferee or to the OCD, and regardless of whether the below-grade tanks are in compliance with 19.15.17 NMAC.

As the operator of record of wells in New Mexico, COG OPERATING LLC agrees to the following statements:

1. I am responsible for ensuring that the wells and related facilities comply with applicable statutes and rules, and am responsible for all regulatory filings with the OCD. I am responsible for knowing all applicable statutes and rules, not just the rules referenced in this list. I understand that the OCD's rules are available on the OCD website under "Rules," and that the Water Quality Control Commission rules are available on the OCD website on the "Publications" page.
2. I understand that if I acquire wells from another operator, the OCD must approve the operator change before I begin operating those wells. See 19.15.9.9.B NMAC. I understand that if I acquire wells or facilities subject to a compliance order addressing inactive wells or environmental cleanup, before the OCD will approve the operator change it may require me to enter into an enforceable agreement to return those wells to compliance. See 19.15.9.9.C(2) NMAC.
3. I must file a monthly C-115 report showing production for each non-plugged well completion for which the OCD has approved an allowable and authorization to transport, and injection for each injection well. See 19.15.7.24 NMAC. I understand that the OCD may cancel my authority to transport from or inject into all the wells I operate if I fail to file C-115 reports. See 19.15.7.24.C NMAC.
4. I understand that New Mexico requires wells that have been inactive for certain time periods to be plugged or placed on approved temporary abandonment. See 19.15.25.8 NMAC. I understand the requirements for plugging and approved temporary abandonment in 19.15.25 NMAC. I understand that I can check my compliance with the basic requirements of 19.15.25.8 NMAC by using the "Inactive Well List" on OCD's website.
5. I must keep current with financial assurances for well plugging. I understand that New Mexico requires each state or fee well that has been inactive for more than two years and has not been plugged and released to be covered by a single-well financial assurance, even if the well is also covered by a blanket financial assurance and even if the well is on approved temporary abandonment status. See 19.15.8.9.C NMAC. I understand that I can check my compliance with the single-well financial assurance requirement by using the "Inactive Well Additional Financial Assurance Report" on the OCD's website.
6. I am responsible for reporting releases as defined by 19.15.29 NMAC. I understand the OCD will look to me as the operator of record to take corrective action for releases at my wells and related facilities, including releases that occurred before I became operator of record.
7. I have read 19.15.5.9 NMAC, commonly known as "Part 5.9," and understand that to be in compliance with its requirements I must have the appropriate financial assurances in place, comply with orders requiring corrective action, pay penalties assessed by the courts or agreed to by me in a settlement agreement, and not have too many wells out of compliance with the inactive well rule (19.15.25.8 NMAC). If I am in violation of Part 5.9, I may not be allowed to drill, acquire or produce any additional wells, and will not be able to obtain any new injection permits. See 19.15.16.19 NMAC, 19.15.26.8 NMAC, 19.15.9.9 NMAC and 19.15.14.10 NMAC. If I am in violation of Part 5.9 the OCD may, after notice and hearing, revoke my existing injection permits. See 19.15.26.8 NMAC.
8. For injection wells, I understand that I must report injection on my monthly C-115 report and must operate my wells in compliance with 19.15.26 NMAC and the terms of my injection permit. I understand that I must conduct mechanical integrity tests on my injection wells at least once every five years. See 19.15.26.11 NMAC. I understand that when there is a continuous one-year period of non-injection into

all wells in an injection or storage project or into a saltwater disposal well or special purpose injection well, authority for that injection automatically terminates. See 19.15.26.12 NMAC. I understand that if I transfer operation of an injection well to another operator, the OCD must approve the transfer of authority to inject, and the OCD may require me to demonstrate the well's mechanical integrity prior to approving that transfer. See 19.15.26.15 NMAC.

9. I am responsible for providing the OCD with my current address of record and emergency contact information, and I am responsible for updating that information when it changes. See 19.15.9.8.C NMAC. I understand that I can update that information on the OCD's website under "Electronic Permitting."
10. If I transfer well operations to another operator, the OCD must approve the change before the new operator can begin operations. See 19.15.9.9.B NMAC. I remain responsible for the wells and related facilities and all related regulatory filings until the OCD approves the operator change. I understand that the transfer will not relieve me of responsibility or liability for any act or omission which occurred while I operated the wells and related facilities.

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., 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 and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
June 19, 2008

WELL API NO. 30-015-36804	
5. Indicate Type of Lease STATE ☐ FEE ☒	
6. State Oil & Gas Lease No.	
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) 1. Type of Well: Oil Well ☐ Gas Well ☒ Other	7. Lease Name or Unit Agreement Name Left Field Fee 8. Well Number 1
2. Name of Operator COG Operating LLC	9. OGRID Number 229137
3. Address of Operator 2208 West Main, Artesia, NM 88210	10. Pool name or Wildcat Otis; Morrow (Gas)
4. Well Location Unit Letter F : 1510 feet from the North line and 1980 feet from the West line Section 32 Township 22S Range 27E NMPM County Eddy	
11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 3161 GR	

12. 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. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
OTHER: Extension ☒		OTHER: ☐	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

COG Operating LLC respectfully requests approval for an extension on the above referenced approved APD.

RECEIVED
NOV 15 2010
NMOCD ARTESIA

Current NMOCD rules and regulations must be met at time of drilling

Final Extension
APPROVED FOR 1 YEAR
EXPIRES: 12/10/2011

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Nancy T. Agnew TITLE Land Contractor DATE 11/11/10

Type or print name Nancy T. Agnew E-mail address: nagnew@conchoresources.com PHONE: 575-748-6942

For State Use Only

APPROVED BY David Gray TITLE Field Supervisor DATE 11-23-10

Conditions of Approval (if any):

30-[redacted]-20829

Rec'd. 5-[redacted]

1- multi-Point Back Pressure Test

OGRID 14049

PROP 26665

POOL 74120

NSL-599-A
DHC-3041

N MEXICO OIL CONSERVATION COMMIS. RECEIVED

WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

MAR 19 1973

O. C. C.
ARTESIA, OFFICE

Operator	Lease	Well No.
MICHAEL P. ~~CROSSMAN~~ GRACE II	AIRPORT GRACE	1

Unit Letter	Section	Township	Range	County
K	36	22 SOUTH	26 EAST	EDDY

Actual Footage Location of Well: 1980 feet from the SOUTH line and 2164 feet from the WEST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage
3221'	MORROW	SOUTH CARLSBAD	320 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

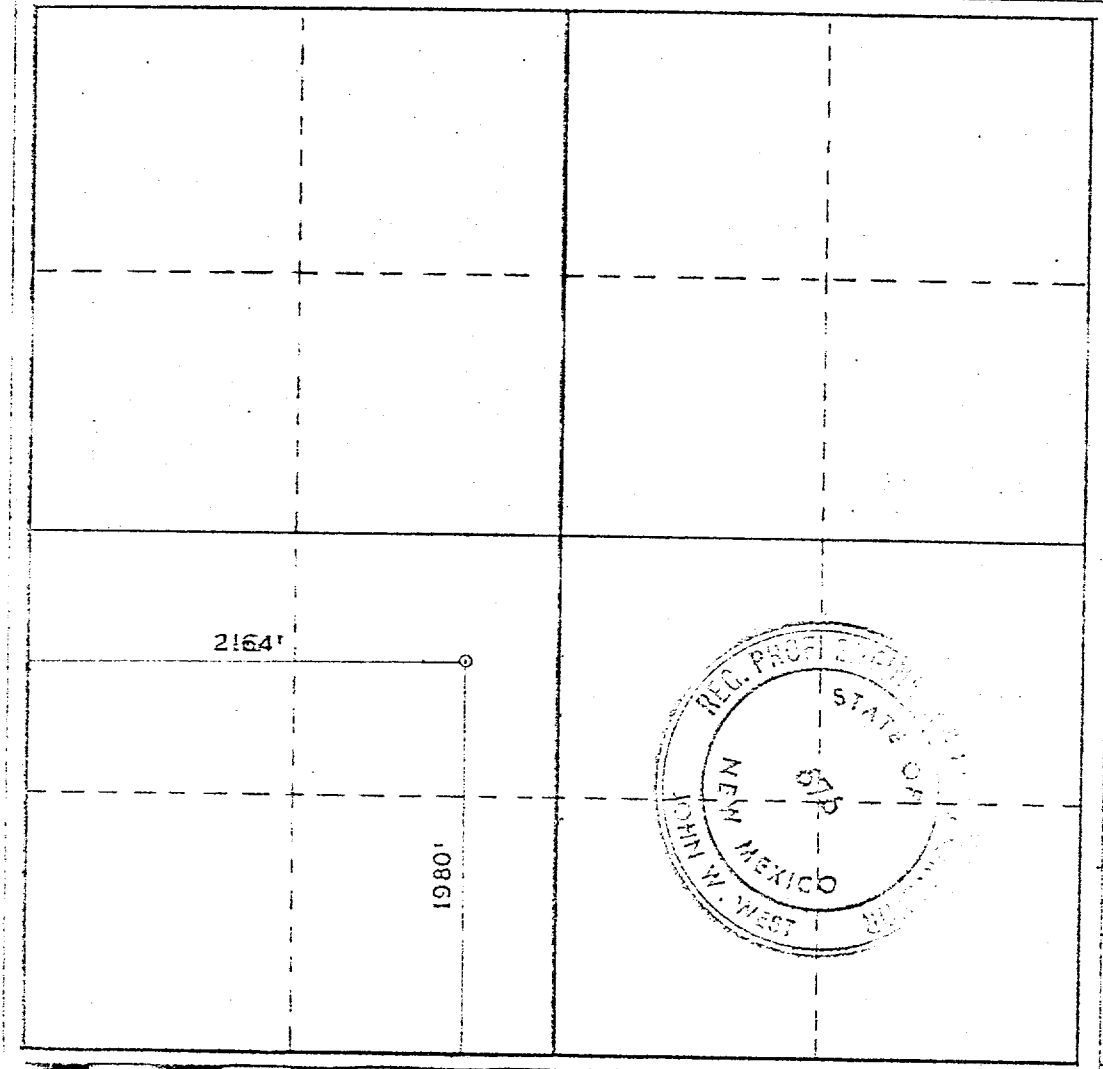
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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 ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name: Juanita R. Jones

Position: Secretary

Company: Michael P. Grace II

Date: March 9, 1973

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: 1-6-73

Registered Professional Engineer and/or Land Surveyor: John W. West

Certificate No. 676

NO. OF COPIES RECEIVED	6	
DISTRIBUTION		
SANTA FE	1	
FILE	1	
U.S.G.S.	2	
LAND OFFICE	1	
OPERATOR	1	

NEW MEXICO OIL CONSERVATION COMMISSION

RECEIVED

MAR 22 1973

O. C. C.

ARTESIA, OFFICE

30-015-20829

Form C-101
Revised 1-1-65

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

5A. Indicate Type of Lease: STATE [XX] FEE [ ]

5. State Oil & Gas Lease No.: K-6290

1a. Type of Work

b. Type of Well: DRILL [XX] DEEPEN [ ] PLUG BACK [ ]

OIL WELL [ ] GAS WELL [XX] OTHER SINGLE ZONE [X] MULTIPLE ZONE [ ]

7. Unit Agreement Name:

8. Farm or Lease Name: Airport-Grace

2. Name of Operator: Michael P. Grace II

9. Well No.: 1

3. Address of Operator: P. O. Box 1418 Carlsbad, New Mexico

10. Field and Pool, or Wildcat: Undes. South Carlsbad

4. Location of Well: UNIT LETTER K LOCATED 1980 FEET FROM THE South LINE AND 2164 FEET FROM THE West LINE OF SEC. 36 TWP. 22S RGE. 26E NMPM

12. County: Eddy

19. Proposed Depth	19A. Formation	20. Rotary or C.T.
12,100	Morrow	Rotary

21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
3221'	Blanket	Big West Drilling Co.	March 26, 1973

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17 1/2	13 3/8	48#	350	350	circl
12 1/4	9 5/8	36#	5100	1400	circl
8 3/4	7	23#	11200	325	9150
Liner	4 1/2	13.5#	12100	100	11200

Blow out preventor: Triple run, remote control

APPROVAL VALID FOR 90 DAYS UNLESS DRILLING COMMENCED,

EXPIRES 6-23-73

NSL 599
3-15-73

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed Juanita L. Jones Title Agent Date 3/9/73

(This space for State Use)

APPROVED BY W. A. Gressett TITLE OIL AND GAS INSPECTOR DATE MAR 23 1973

CONDITIONS OF APPROVAL, IF ANY:

W A I V E R

RECEIVED

MAR 19 1973

O. C. C.
ARTESIA, OFFICE

Michael P. Grace II and
Corinne Grace
P. O. Box 1418
Carlsbad, New Mexico 88220

Dear Mr. and Mrs. Grace:

We have no objection to your drilling a Morrow test well in the West 1/2 of Section 36, T22S, R26E, which will be located on an unorthodox location being 1980 feet from the South line and 2164 feet from the West line of this Section.

Sincerely yours,

PENNZOIL COMPANY

F. Clinton Edwards

Title: Vice President

STATE OF TEXAS

County of Midland

The foregoing instrument was acknowledged before me this 14th day of March 1973 by F. Clinton Edwards Vice President of PENNZOIL COMPANY.

My Commission Expires:
June 1, 1973

Lonelle McBride
Notary Public

RECEIVED

MAR 19 1973

O. C.
ARTESIA, [illegible]

SINGLE ACKNOWLEDGMENT

THE STATE OF TEXAS, }
COUNTY OF MIDLAND }

BEFORE ME, the undersigned, a Notary Public in and for said County and State, on this day personally appeared F. L. SCHATZ known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE,
this the 12 day of March A. D. 1973.

TOM COLEMAN
NOTARY PUBLIC
COUNTY OF MIDLAND, TEXAS

MY COMMISSION EXPIRES JUNE 1, 1973

Tom Coleman

Notary Public in and for Midland County, Texas

MIDWEST OIL CORPORATION
1500 WILCO BUILDING
MIDLAND, TEXAS 79701

March 9, 1973

RECEIVED
MAR 19 1973
O. C. C.
ARTESIA, OFFICE

New Mexico Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

RE: M. P. Grace Application
for Exceptional Location
South Carlsbad Field Area
Section 36, T-22-S, R-26-E
Eddy County, New Mexico

Gentlemen:

M. P. Grace has advised Midwest Oil Corporation they are applying for an exception to field rules for their proposed location 1980' FSL and 2164' FWL of Section 36, T-22-S, R-26-E. As an offset operator, Midwest does not object to this exception to field rules. However the requested exceptional location will be in the approach zone for the NE-SW runway of the Carlsbad Municipal Airport. Midwest would have no objection if instead the location were moved north and out of the highway and approach zone to a location approximately 1980' FWL and 2500' FSL of Section 36.

Very truly yours,

MIDWEST OIL CORPORATION

F. L. Schatz
District Exploration Manager

FLS:nra

SUBSCRIBED AND SWORN TO BEFORE ME, this 12th day of March, A.D. 1973.

NOTARY PUBLIC (SEAL) COUNTY OF MIDLAND, TEXAS

TOM COLEMAN
NOTARY PUBLIC
COUNTY OF MIDLAND, TEXAS

MY COMMISSION EXPIRES JUNE 1, 1973

Notary Public in and for Midland County, Texas.

Gulf Oil Company - U.S.

EXPLORATION AND PRODUCTION DEPARTMENT
MIDLAND DISTRICT

W. B. Hopkins
DISTRICT MANAGER
J. A. Hord
DISTRICT EXPLORATION MANAGER
J. L. Pike
DISTRICT PRODUCTION MANAGER
M. B. Moseley
DISTRICT SERVICES MANAGER

P. O. Drawer 1150
Midland, Texas 79701

March 12, 1973

RECL

MAR 19 1973

Oil Conservation Commission
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87501

Attention: Mr. A. L. Porter, Jr.

Re: Request for Unorthodox Location for
Michael P. Grace II Airport Grace
Well No. 1, South Carlsbad Pool
Eddy County, New Mexico

Gentlemen:

This is to advise that Gulf Oil Corporation has been given due notice that Michael P. Grace II is requesting permission for an unorthodox location for his Airport Grace Well No. 1 in the above mentioned field. We have no objection to the granting of this application for the above well which is located:

1980 feet from the South Line and
2164 feet from the West Line of
Section 36, T-22S, R-26E, Eddy
County, New Mexico.

Executed this 12th day of March, 1973.

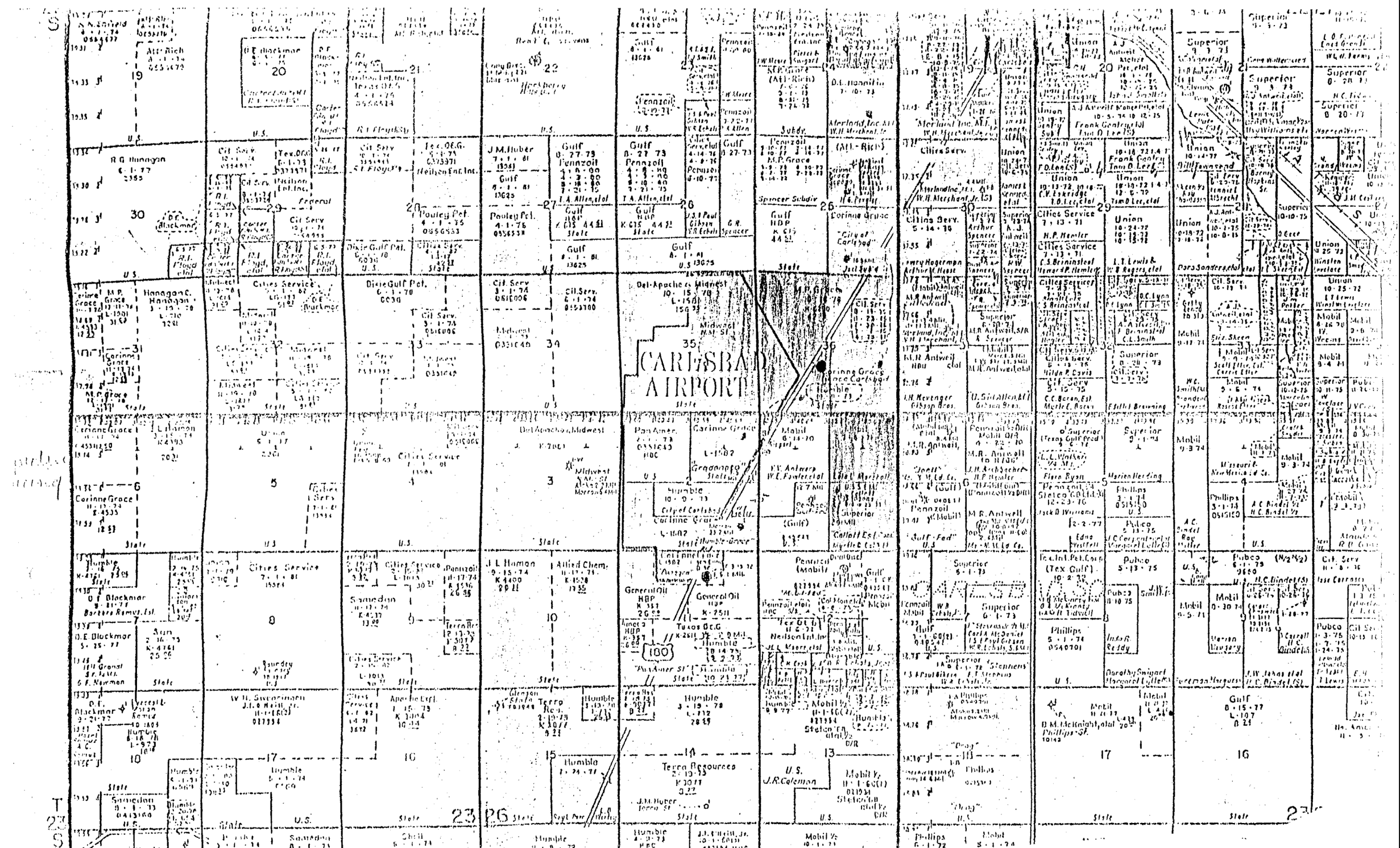
Yours very truly,

GULF OIL CORPORATION

BY W. C. Palmer

W. C. PALMER
District Engineer

FWT:jmc


CARLSBAD AIRPORT
State
U.S.
Humble
Cities Service
Gulf
Pennzoil
Mobil
Phillips
Superior
Pubco
Union
Texaco
Amoco
Sun
Samedan
Terra Resources
Del-Apache & Midwest
Humble 3-19-78 L-732 20.5%
Humble 10-9-73 Crl of Carlsbad Carlsbad "Anza"
Humble 4-9-73 HBP K-3011
Humble 3-19-78 L-1507
Humble 10-14-73
Humble 3-19-78 L-732 20.5%
Humble 10-14-73
Humble 3-19-78 L-732 20.5%
Humble 10-14-73
Humble 3-19-78 L-732 20.5%

W A I V E R

RECEIVED

MAR 19 1973

O. C. C.
ARTESIA, OFFICE

Michael P. Grace II and
Corinne Grace
P. O. Box 1418
Carlsbad, New Mexico 88220

Dear Mr. and Mrs. Grace:

We have no objection to your drilling a Morrow test well in the West 1/2 of Section 36, T22S, R26E, which will be located on an unorthodox location being 1980 feet from the South line and 2164 feet from the West line of this Section.

Sincerely yours,

THE SUPERIOR OIL COMPANY

D. H. Collins Jr 3-12-73

Title: District Engineer

STATE OF Texas

County of Midland

The foregoing instrument was acknowledged before me this 12th day of March 1973 by D. H. Collins, Jr.

of THE SUPERIOR OIL COMPANY.

My Commission Expires:
June 1, 1973

Jo F. Fouts
Notary Public

JO F. FOUTS
My Commission Expires June 1, 1973

OIL CONSERVATION COMMISSION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

March 15, 1973

RECEIVED
MAR 16 1973
O. C. C.
ARTESIA, OFFICE

Michael P. Grace II and
Corinne Grace
P. O. Box 1418
Carlsbad, New Mexico 88220

Administrative Order NSL-599

Gentlemen:

Reference is made to your application for approval of an unorthodox gas well location for your Airport Grace No. 1, to be located 1980 feet from the South line and 2164 feet from the West line of Section 36, Township 22 South, Range 26 East, NMPM, South Carlsbad Morrow Gas Pool, Eddy County, New Mexico.

Waivers of objection from offsetting operators accompany the application, therefore, the waiting period prescribed by Rule 104 F of the Commission Rules and Regulations may be dispensed with in this instance. By authority granted me by said Rule 104 F the above-described unorthodox location is hereby approved.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/JEK/dr

cc: Oil Conservation Commission - Artesia
Oil & Gas Engineering Committee - Hobbs
State Land Office - Santa Fe

COPY

city of carlsbad

PHONE 887-1191 · BOX 1569 · CARLSBAD, NEW MEXICO 88220
Mayor — Walter Gerrells City Administrator — Claude Tabor

March 16, 1973

RECEIVED
MAR 22 1973
O. C. C.
ARTESIA, OFFICE

Mr. Ray Hampton

Federal Aviation Administration

Albuquerque, New Mexico

Dear Mr. Hampton:

The City of Carlsbad has no objection to the location of the Airport Grace No. 1 drilling rig.

Yours very truly

Walter Gerrells

Walter Gerrells
Mayor

WG:cd

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

SOUTHWEST REGION
P. O. BOX 1689
FORT WORTH, TEXAS 76101

RECEIVED
MAR 22 1973
O. C. C.
ARTESIA, OFFICE

19 March 1973

Mr. Michael P. Grace II
P. O. Box 1418
Carlsbad, New Mexico 88220

Dear Mr. Grace:

This office has made a study of your proposal to erect a temporary drilling rig 4050 feet northeast of the threshold of Runway 21 at the Cavern City Air Terminal at Carlsbad, New Mexico. This drilling rig will necessitate that a restriction be placed on aircraft departing on Runway 3 to the northeast under Instrument Flight Rules.

The drilling rig penetrates into the departure slope for this runway by some 70 feet and it is imperative that when the rig is put into place and extends over 82 feet above the ground that you notify the Federal Aviation Administration (FAA), Chief, Flight Service Station, Carlsbad, New Mexico, telephone number: 885-2042.

Also whenever the rig is dismantled and removed, you should notify the Chief of the Flight Service Station as stated above so that the restriction on Runway 3 takeoffs may be canceled.

If we can be of further assistance, please let us know.

Sincerely,

E. L. Stallard

EARL L. STONE, JR.
Chief, Airspace and Procedures Branch, ASW-530

NEW MEXICO OIL CONSERVATION COMMISSION

WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

Operator	Lease	Well No.
MICHAEL P. GRACE II	AIRPORT GRACE	1

Unit Letter	Section	Township	Range	County
K	36	22 SOUTH	26 EAST	EDDY

Actual Footage Location of Well: 1980 feet from the SOUTH line and 2164 feet from the WEST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3221'	MORROW	SOUTH CARLSBAD	320 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

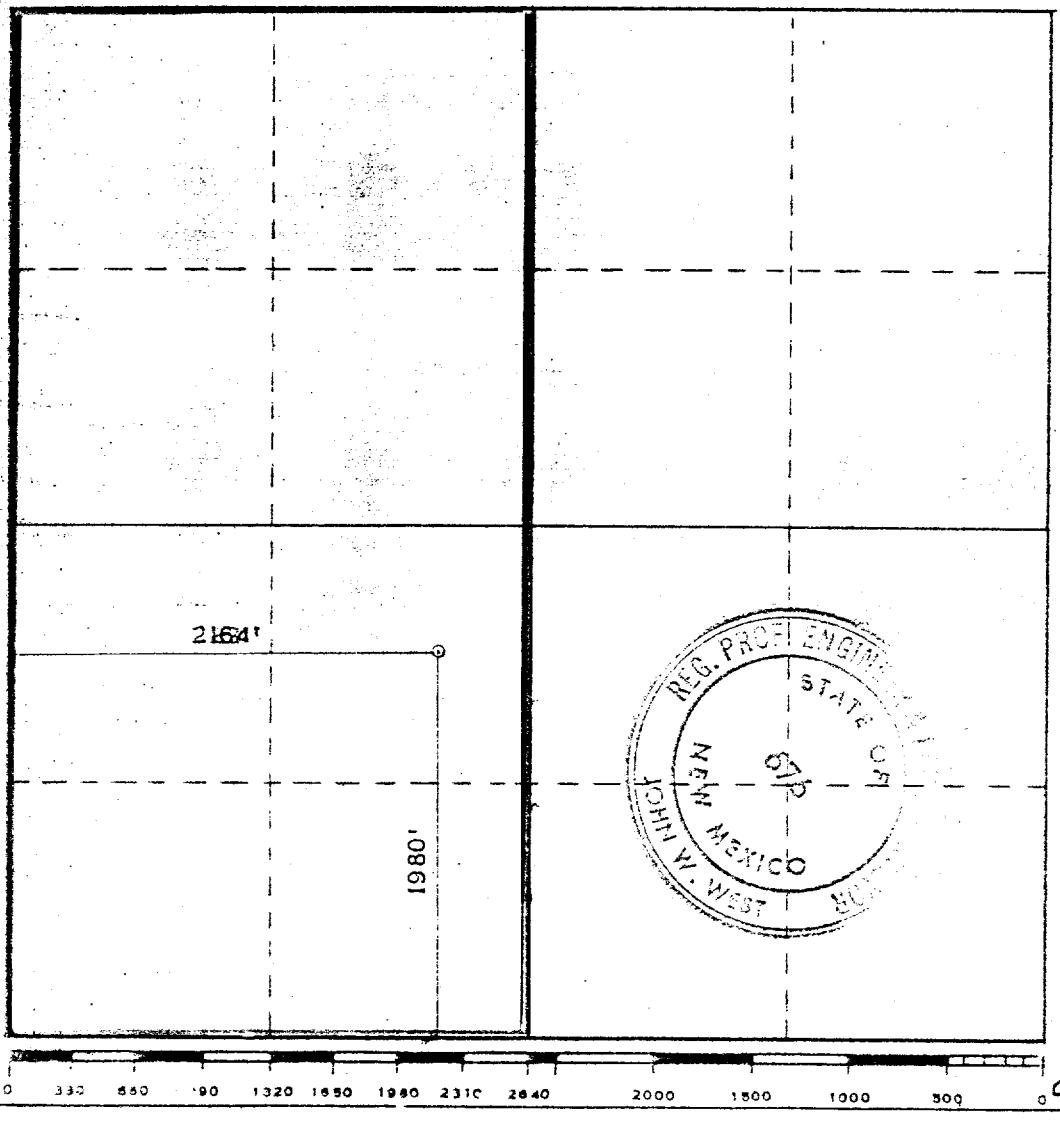
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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 ☒ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name: Juanita L. Jones

Position: Secretary

Company: Michael P. Grace II

Date: March 9, 1973

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: 1-6-73

Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No. 676

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LAND OFFICE		
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NEW MEXICO OIL CONSERVATION COMMISSION

RECEIVED

APR 9 1973

O. C. C.

ARTESIA, OFFICE

Form C-103
Supersedes Old C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease: State [✓] Fee [ ]

5. State Oil & Gas Lease No.: K-6290

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT —" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL [ ] GAS WELL [✓] OTHER-

7. Unit Agreement Name:

2. Name of Operator: Michael P. Grace II ✓

8. Farm or Lease Name: Airport Grace

3. Address of Operator: P. O. Box 1418, Carlsbad, New Mexico

9. Well No.: 1

4. Location of Well: UNIT LETTER K, 1980 FEET FROM THE South LINE AND 2164 FEET FROM THE West LINE, SECTION 36, TOWNSHIP 22S, RANGE 26E, NMPM.

10. Field and Pool, or Wildcat: Undes. So. Carlsbad

15. Elevation (Show whether DF, RT, GR, etc.): 3221

12. County: Eddy

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK [ ]	PLUG AND ABANDON [ ]	REMEDIAL WORK [ ]	ALTERING CASING [ ]
TEMPORARILY ABANDON [ ]		COMMENCE DRILLING OPNS. [X]	PLUG AND ABANDONMENT [ ]
PULL OR ALTER CASING [ ]	CHANGE PLANS [ ]	CASING TEST AND CEMENT JOB [X]	
OTHER [ ]		OTHER progress [ ]	

17. Describe Proposed or Completed Operations (*Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work*) SEE RULE 1103.

Spudded ~~April~~ MAR. 28, 1973 @ 2:15 p.m.

Wed. March 28, 1973
Ran & Sat 13 3/8 48-72# csg. @ 358' (153' 48# & 205' 72#)
Cemented with 375 sks class "C" With 2% cacl. 14.8#/gal. circulated out 100 sks. displaced with 50 bbls. mud and left approx 30' cmt in csg.
WOC 24 hrs. Plug down total time 42 min.

Tested at 750# for 30 min. o.k.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Claudia K. Jones TITLE Agent DATE 4/4/73

APPROVED BY W. A. Gressett TITLE OIL AND GAS INSPECTOR DATE APR 13 1973

CONDITIONS OF APPROVAL, IF ANY:

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O. C. C.

ARTESIA, OFFICE

Form C-103
Supersedes Old C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease: State [Y] Fee [ ]

5. State Oil & Gas Lease No.: K-6290

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL [ ] GAS WELL [X] OTHER-

7. Unit Agreement Name

2. Name of Operator: Michael P. Grace II

8. Farm or Lease Name: Airport Grace

3. Address of Operator: P. O. Box 1116 Carlsbad, New Mexico 88220

9. Well No.: 1

4. Location of Well: UNIT LETTER K, 1980 FEET FROM THE South LINE AND 2164 FEET FROM THE West LINE, SECTION 36 TOWNSHIP 22S RANGE 26E NMPM.

10. Field and Pool, or Wildcat: Undes. So. Carlsbad

15. Elevation (*Show whether DF, RT, GR, etc.*): 3221'

12. County: Eddy

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

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PULL OR ALTER CASING [ ]	CHANGE PLANS [ ]	CASING TEST AND CEMENT JOB [Y]	
OTHER [ ]		OTHER [ ]	

17. Describe Proposed or Completed Operations (*Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work*) SEE RULE 1103.

April 10, 1973

Ran 2,003.45' 40# J-55 9 5/8" casing and 3,372.92' 36# J-55 9 5/8" casing and set @ 5,381.00'. Cemented with 1250 sks haliburton light with 3#/SK gilsonite and 1/4# sk. floseal - 1.8 cu.ft./bbl 12.6#/gal slurry. and 400 sks class "C" - 1.32 cu. ft./bbl, 14.8#/gal slurry. Plug down under 1900 psig. WOC 24 hours. Tested csg. under 2000 psig held 30 min.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Juanita R. Goins TITLE Agent DATE April 15, 1973

APPROVED BY W. A. Gressett TITLE OIL AND GAS INSPECTOR DATE APR 23 1973

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NEW MEXICO OIL CONSERVATION COMMISSION

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MAY 17 1973

O. C. C.
ARTESIA, OFFICE

Form C-103
Supersedes Old C-102 and C-103
Effective ~~1-1-65~~

5a. Indicate Type of Lease
State [X] Fee [ ]

5. State Oil & Gas Lease No.
K-6290

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT —" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL [ ] GAS WELL [X] OTHER-

7. Unit Agreement Name

2. Name of Operator
Michael P. Grace II ✓

8. Farm or Lease Name
Airport Grace

3. Address of Operator
P. O. Box 1418, Carlsbad, New Mexico

9. Well No.
1

4. Location of Well
UNIT LETTER K, 1980 FEET FROM THE South LINE AND 2164 FEET FROM THE West LINE, SECTION 36 TOWNSHIP 22S RANGE 26E NMPM.

10. Field and Pool, or Wildcat
Undes. So. Carlsbad Morrow

15. Elevation *(Show whether DF, RT, GR, etc.)*
3221

12. County
Eddy

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK [ ]	PLUG AND ABANDON [ ]	REMEDIAL WORK [ ]	ALTERING CASING [ ]
TEMPORARILY ABANDON [ ]		COMMENCE DRILLING OPNS. [ ]	PLUG AND ABANDONMENT [ ]
PULL OR ALTER CASING [ ]	CHANGE PLANS [ ]	CASING TEST AND CEMENT JOB [X]	
OTHER [ ]		OTHER [ ]	

17. Describe Proposed or Completed Operations *(Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work)* SEE RULE 1103.

May 10, 1973

Ran 13 jts of 32#, 109 jts of 29#, 48 jts. 26# and 139 juts of 23# 7" 8rd N-80 csg. Casing set @ 11,956.00 KB. Cemented with 320 sks 50-50 pozmix class "C" with 4% gel and 5# salt/sk and 360 sks class "H" with 3/4 of 1% CFR-2 and 5% salt/sk. Plug down under 1800 psig and displaced with 464 bbls mud. released pressure & held. WOC 24 hrs.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Juanita L Jones TITLE Agent DATE 5/14/73

APPROVED BY W. A. Gressett TITLE OIL AND GAS INSPECTOR DATE MAY 17 1973

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Form C-103
Supersedes Old C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State [X] Fee [ ]

5. State Oil & Gas Lease No.
K-6290

SUNDRY NOTICES AND REPORTS ON WELLS

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RECEIVED
JUN 6 1973
O. C. C.
ARTESIA, OFFICE

1. OIL WELL [ ] GAS WELL [X] OTHER-

7. Unit Agreement Name

2. Name of Operator
Michael P. Grace II

8. Farm or Lease Name
Airport Grace

3. Address of Operator
P. O. Box 1418, Carlsbad, New Mexico

9. Well No.
1

4. Location of Well
UNIT LETTER K, 1980 FEET FROM THE South LINE AND 2164 FEET FROM THE West LINE, SECTION 36 TOWNSHIP 22S RANGE 26E NMPM.

10. Field and Pool, or Wildcat
Undes.So.Carlsbad Morrow

15. Elevation *(Show whether DF, RT, GR, etc.)*
3221

12. County
Eddy

16.

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PULL OR ALTER CASING [ ]	CHANGE PLANS [ ]	CASING TEST AND CEMENT JOB [ ]	
		OTHER Progress [ ]	
OTHER [ ]			

17. Describe Proposed or Completed Operations *(Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work)* SEE RULE 1103.

June 1, 1973 Ran 353 jts. 2 7/8" PH6 Hydril 9.5#/ft tubing to 11,471'

Baker Mod. "D" Packer set at 11,500' Tested to 3000# for 15 min. & held.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Juanita Goen TITLE Agent DATE 6/4/73

APPROVED BY [ ] TITLE OIL AND GAS INSPECTOR DATE JUN 15 1973

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JUN 15 1973

O. C. C.
ARTESIA, OFFICE

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State [X] Fee [ ]

5. State Oil & Gas Lease No.
K-6290

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT —" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL [ ] GAS WELL [X] OTHER-

7. Unit Agreement Name

2. Name of Operator
Michael P. Grace II ✓

8. Farm or Lease Name
Airport Grace

3. Address of Operator
P. O. Box 1418. Carlsbad, New Mexico 88220

9. Well No.
1

4. Location of Well
UNIT LETTER K, 1980 FEET FROM THE South LINE AND 2164 FEET FROM THE West LINE, SECTION 36 TOWNSHIP 22S RANGE 26E NMPM.

10. Field and Pool, or Wildcat
Undes.So.Carlsbad Morrow

15. Elevation (Show whether DF, RT, GR, etc.)
3221

12. County
Eddy

16. 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 [ ]
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PULL OR ALTER CASING [ ]	CHANGE PLANS [ ]	CASING TEST AND CEMENT JOB [ ]	
OTHER [ ]		OTHER Progress [ ]	

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

June 1. 1973 Ran 353 jts. 2 7/8" PH6 Hydril 9.5#/ft tubing to 11508

Baker Mod. "D" Packer set at 11,500' Tested to 3000# for 15 min & Held

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Juanita L. Lopez TITLE Agent DATE

APPROVED BY W. A. Gressett TITLE OIL AND GAS INSPECTOR DATE JUN 15 1973

CONDITIONS OF APPROVAL, IF ANY:

MEXICO OIL CONSERVATION COMMISSION

FORM C-126
REVISED 1-1-65

NOTE
REQUIRED ONLY WHEN LOAD OIL WAS OBTAINED FROM A SOURCE OTHER THAN LEASE ON WHICH USED.

PERMIT TO TRANSPORT RECOVERED LOAD OIL

RECOVERED LOAD OIL

OPERATOR		ADDRESS	
Michael P. Grace II		Box 1418, Carlsbad, New Mexico	
LEASE NAME	WELL NO.	POOL	COUNTY
Airport-Grace	1	Undes, So. Carlsbad Morrow	Eddy
LOCATION		TRANSPORTER	
Sec. 36, T22S, R 26 E		Navajo Refining Company	

BBLS. LOAD OIL RECOVERED

1500

RECEIVED
JUN 18 1973
O. C. C.
ARTESIA, OFFICE

SOURCE OF LOAD OIL

PURCHASED OIL

BARRELS PURCHASED	DATE PURCHASED
1500	5/24/73
PURCHASED FROM	ADDRESS
The Permian Corporation	Box 1183, Houston, Texas 77001

BARRELS PURCHASED	DATE PURCHASED
PURCHASED FROM	ADDRESS

OIL TRANSFERRED FROM ANOTHER LEASE OR POOL

BARRELS TRANSFERRED	POOL FROM WHICH TRANSFERRED	LEASE FROM WHICH TRANSFERRED
DATE OF LETTER OF NOTIFICATION OF TRANSFER IN COMPLIANCE WITH RULE 1104(6)		

BARRELS TRANSFERRED	POOL FROM WHICH TRANSFERRED	LEASE FROM WHICH TRANSFERRED
DATE OF LETTER OF NOTIFICATION OF TRANSFER IN COMPLIANCE WITH RULE 1104(6)		

BARRELS TRANSFERRED	POOL FROM WHICH TRANSFERRED	LEASE FROM WHICH TRANSFERRED
DATE OF LETTER OF NOTIFICATION OF TRANSFER IN COMPLIANCE WITH RULE 1104(6)		

BARRELS TRANSFERRED	POOL FROM WHICH TRANSFERRED	LEASE FROM WHICH TRANSFERRED
DATE OF LETTER OF NOTIFICATION OF TRANSFER IN COMPLIANCE WITH RULE 1104(6)		

APPROVED: NEW MEXICO OIL CONSERVATION COMMISSION

W. A. Gressett
(Signature)

OIL AND GAS INSPECTOR
(Title)

JUN 19 1973
(Date)

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

NAME H. L. Smith

TITLE Agent

DATE 6/18/73

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NEW MEXICO OIL CONSERVATION COMMISSION

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NOV 5 1973

ARTESIA, OFFICE

Form C-103
Supersedes Old C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State [X] Fee [ ]

5. State Oil & Gas Lease No.
K-6290

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT —" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL [ ] GAS WELL [X] OTHER-

7. Unit Agreement Name

2. Name of Operator
Michael P. Grace II ✓

8. Farm or Lease Name
Airport-Grace

3. Address of Operator
P. O Box 1418, Carlsbad, New Mexico

9. Well No.
1

4. Location of Well
UNIT LETTER K, 1980 FEET FROM THE South LINE AND 2164 FEET FROM THE West LINE, SECTION 36 TOWNSHIP 22S RANGE 26E NMPM.

10. Field and Pool, or Wildcat
So. Carlsbad Morrow

15. Elevation (*Show whether DF, RT, GR, etc.*)
3221 GR

12. County
Eddy

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK [ ]	PLUG AND ABANDON [ ]	REMEDIAL WORK [ ]	ALTERING CASING [ ]
TEMPORARILY ABANDON [ ]		COMMENCE DRILLING OPNS. [ ]	PLUG AND ABANDONMENT [ ]
PULL OR ALTER CASING [ ]	CHANGE PLANS [ ]	CASING TEST AND CEMENT JOB [ ]	
OTHER [ ]		OTHER Fracturing and perforating	[X]

17. Describe Proposed or Completed Operations (*Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work*) SEE RULE 1103.

June 2, 1973.
Halliburton Services rigged up, fractured through perforations 11,624'-11629' and 11,702'-11,712' w/120,000 gal. super emulsifrac w/100,000# 20-40 and 80-20 sand. BD pressure 12,600 psi avg. inj. pressure 11,300 psi. Avg. inj. rate 10 BPM.

October 6, 1973
Welex perforated 11,610-11,615 and 11,685-11,690 w/ one .3" shot per foot.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Juanita R. Goodlett TITLE Agent DATE 11/3/73

APPROVED BY W. A. Gressett TITLE OIL AND GAS INSPECTOR DATE NOV 6 1973

OIL CONSERVATION COMMISSION
P. O. BOX 2088
SANTA FE NEW MEXICO 87501

6. The ownership of both wells is identical throughout.

7. The arrangement is of a temporary nature and is expected to be discontinued after approximately 90 days.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/DSN/dr

cc: Oil Conservation Commission - Artesia
El Paso Natural Gas Co.
P. O. Box 1492
El Paso, Texas

Attention: Mr. E. R. Manning

COPY

OIL CONSERVATION COMMISSION
P. O. BOX 2088
SANTA FE NEW MEXICO 87501

October 24, 1974

RECEIVED
OCT 25 1974
O. C. C.
ARTESIA, OFFICE

Michael P. Grace II
Corinne Grace
P. O. Box 1418
Carlsbad, New Mexico 88220

Attention: Juanita L. Jones

Gentlemen:

Reference is made to your letter of October 18, 1974, requesting authority to utilize gas produced from your Carlsbad Grace Well No. 1 to gas-lift liquids from your Airport Grace Well No. 1 in an effort to clean said well up and establish natural flow.

Approval is hereby given to your proposal subject to the following understanding:

1. El Paso Natural Gas Company will continue to buy gas from the Carlsbad Grace well and will continue to report the meter readings of its purchases from the well on Form C-111.

2. You will install a meter on the line going from the Carlsbad Grace well to the Airport Grace well and will report the meter readings of the gas taken by you from the Carlsbad Grace well monthly on Form C-111. (This form is due the 15th of each month. See Rule 1105)

3. The sum of the readings from the aforesaid two meters will be production from the Carlsbad Grace.

4. Production from the Airport Grace will pass through a separator and into a compressor, thence through an El Paso meter into sales.

5. Production from the Airport Grace will be the difference between the meter in paragraph 4 above and the meter in paragraph 2 above, plus the volume of gas estimated to be consumed by the compressor. You will report said fuel consumption monthly on Form C-115.

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OPERATOR	1	

NEW MEXICO OIL CONSERVATION COMMISSION

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NOV 8 1974

O. C. C.

ARTESIA, OFFICE

Form C-103
Supersedes Old C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease: State [X] Fee [ ]

5. State Oil & Gas Lease No.: K-6290

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT —" (FORM C-101) FOR SUCH PROPOSALS.)

OIL WELL [ ] GAS WELL [X] OTHER-

7. Unit Agreement Name:

2. Name of Operator: MICHAEL P. GRACE II

8. Farm or Lease Name: Airport Grace

3. Address of Operator: P. O. BOX 1418, CARLSBAD, NEW MEXICO 88220

9. Well No.: 1

4. Location of Well: UNIT LETTER K, 1980 FEET FROM THE South LINE AND 2164 FEET FROM THE West LINE, SECTION 36 TOWNSHIP 22S RANGE 26E NMPM.

10. Field and Pool, or Wildcat: So. Carlsbad Morrow

15. Elevation (*Show whether DF, RT, GR, etc.*): 3221 GR

12. County: Eddy

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

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PERFORM REMEDIAL WORK [ ]	PLUG AND ABANDON [ ]	REMEDIAL WORK [X]	ALTERING CASING [ ]
TEMPORARILY ABANDON [ ]		COMMENCE DRILLING OPNS. [ ]	PLUG AND ABANDONMENT [ ]
PULL OR ALTER CASING [ ]	CHANGE PLANS [ ]	CASING TEST AND CEMENT JOB [ ]	
OTHER [ ]		OTHER [ ]	

17. Describe Proposed or Completed Operations (*Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work*) SEE RULE 1103.

Layed gas line from Carlsbad Grace #1 well and installed surface controls. Moved in heater-separator and sales compressor. Moved pulling unit on location 10/24/74 rigged up pulling unit, BOP and stripper head and started pulling tubing 10/25/74 after releasing from Model D packer. Ran tubing back in hole with Teledyne Merla gas lift valves and new Baker seals. Job complete and rig released 11/1/74.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Juanita L. Jones TITLE Agent DATE 11/1/74

APPROVED BY W. A. Gressett TITLE OIL AND GAS INSPECTOR DATE NOV 11 1974

CONDITIONS OF APPROVAL, IF ANY:

I hereby certify that I have personal knowledge of the data and facts placed on this form, and that such information given above is true and complete.

John E. Wilsher
JOHN E. WILSHER, Toolpusher

BIG WEST DRILLING COMPANY

Operator Affidavit:

Before me, the undersigned authority, on this day personally appeared Michael P Grace, known to me to be the person whose name is subscribed hereto, who, after being duly sworn, on oath states that he is the Operator of the well identified in this instrument, and that such well was not intentionally deviated from the vertical whatsoever.

Michael P Grace
Signature of Affiant

Operator
Title of Affiant

Sworn and Subscribed to before me, this 1st day of Nov., 1973.

Juanita L Jones
Notary Public in and for

Eddy County,

New Mexico.

Big West Drilling Company

1714 COMMERCE BUILDING
FORT WORTH, TEXAS 76102

May 16, 1973

OPERATOR: MICHAEL P. GRACE
CORINNE GRACE
POST OFFICE BOX 1418
CARLSBAD, NEW MEXICO 88220

RECEIVED
NOV 8 1974
O. C. C.
ARTESIA, OFFICE

WELL NAME AND LOCATION: AIRPORT GRACE WELL #1,
1980' FSL & 2164' FWL,
Sec. 36, T-22-S, R-26-E,
Eddy County, New Mexico

EASTMAN DEVIATION RECORD

Date 1973	DEPTH	DEGREE OF DEVIATION
3-29	350'	3/4
3-30	821'	1
3-31	1,350'	3/4
4-1	1,550'	1/2
4-2	1,970'	3/4
	2,470'	1/2
4-3	2,700'	1/2
4-4	3,155'	3/4
	3,600'	3/4
4-5	4,070'	1/2
4-7	4,560'	1/4
	4,720'	1/4
4-9	5,200'	1/2
	5,400'	1/2
4-13	5,890'	3/4
4-14	6,350'	3/4
4-15	6,790'	1/2
4-16	7,250'	1 1/4
4-19	7,720'	1 1/2
	8,220'	1 1/4
4-20	8,410'	1 3/4
4-21	8,875'	1 1/4
4-22	9,335'	1
4-23	9,800'	3/4
4-25	10,290'	1 1/4
4-26	10,728'	1
4-27	10,930'	1 1/4
4-30	11,420'	1 1/4
5-1	11,600'	1 1/2
5-6	11,940'	1

Continued

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NEW MEXICO OIL CONSERVATION COMMISSION

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-11
Effective 1-1-65

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NOV 12 1974

O. C. C.
ARTESIA, OFFICE

I. Operator: Michael P. Grace II

Address: P. O. Box 1418, Carlsbad, New Mexico 88220

Reason(s) for filing (Check proper box)
- New Well [x]
- Recompletion [ ]
- Change in Ownership [ ]
- Change in Transporter of: Oil [ ] Dry Gas [ ] Casinghead Gas [ ] Condensate [ ]
- Other (Please explain)

If change of ownership give name and address of previous owner _____

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Airport Grace	1	So. Carlsbad Morrow	State, Federal or Fee State	K-6290

Location: Unit Letter K ; 1980 Feet From The South Line and 2164 Feet From The West

Line of Section 36 Township 22S Range 26E , NMPM, Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil [ ] or Condensate [XX]	Address (Give address to which approved copy of this form is to be sent)
Navajo Crude Oil Purchasing Co.	North Freeman Artesia, New Mexico
Name of Authorized Transporter of Casinghead Gas [XX] or Dry Gas [ ]	Address (Give address to which approved copy of this form is to be sent)
El Paso Natural Gas Company	P.O. Box 1492, El Paso, Texas

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	K	36	22S	26E	Yes	11/8/74

If this production is commingled with that from any other lease or pool, give commingling order number: _____

IV. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		XX	XX					

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
3/28/73	10/31/74	11956	11912
Elevations (DF, RKB, RT, GR, etc.)	**Name of Producing Formation**	**Top Oil/Gas Pay**	**Tubing Depth**
3221 GR	Morrow	11610	11508
Perforations			**Depth Casing Shoe**
11610-615 11624-629 11685-690 11702-712			

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
17	13 3/8	358	375 "C" w/2% cacl2
12¼	9 5/8	5395	1250 Hal Lite 400 cl"C"
8 3/4	7	11956	320 sx poz mix 360 "H"
	2 7/8	11508	

V. TEST DATA AND REQUEST FOR ALLOWABLE

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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-Bbls.**	**Gas-MCF**

GAS WELL (on Line 12/74)

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
1110	24 hours	0	--
Testing Method (pitot, back pr.)	**Tubing Pressure (Shut-in)**	**Casing Pressure (Shut-in)**	**Choke Size**
meter run	not shut in	not shut in	3/4

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Jeanette L. Jones
(Signature)
Agent
(Title)
11/12/74
(Date)

OIL CONSERVATION COMMISSION

APPROVED NOV 12 1974, 19 ____

BY W. A. Gressett

TITLE OIL AND GAS INSPECTOR

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply

DISTRIBUTION		
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TRANSPORTER GAS	1	
OPERATOR	1	
PRORATION OFFICE		

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

RECEIVED
NOV 8 1974
O. C. C.
ARTESIA, OFFICE

Form C-104
Supersedes Old C-104 and C-110
Effective 1-1-65

I.

Operator: Michael P. Grace II ✓

Address: P. O. Box 1418, Carlsbad, New Mexico 88220

Reason(s) for filing *(Check proper box)*
- New Well [XX]
- Recompletion [ ]
- Change in Ownership [ ]
- Change in Transporter of: Oil [ ] Dry Gas [ ] Casinghead Gas [ ] Condensate [ ]

Other *(Please explain)*

If change of ownership give name and address of previous owner _____

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Airport Grace	1	South Carlsbad Morrow	State, Federal or Fee State	K-6290

Location
Unit Letter K : 1980 Feet From The South Line and 2164 Feet From The West

Line of Section 36 Township 22S Range 26E , NMPM, Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil [ ] or Condensate [X]: Navajo Refining Co. (Will be purchasing Co.)
Address *(Give address to which approved copy of this form is to be sent)*: Artesia, New Mexico

Name of Authorized Transporter of Casinghead Gas [XX] or Dry Gas [ ]: El Paso Natural Gas Company
Address *(Give address to which approved copy of this form is to be sent)*: P.O.Box 1492, El Paso, Texas

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	K	36	22S	26E	Yes	11-8-74

If this production is commingled with that from any other lease or pool, give commingling order number: _____

IV. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		XX	XX					

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
3/28/73	10/31/74	11956	11912
Elevations *(DF, RKB, RT, GR, etc.)*	**Name of Producing Formation**	**Top Oil/Gas Pay**	**Tubing Depth**
3221 GR	Morrow	~~11450~~ 11610	11508
Perforations			**Depth Casing Shoe**
11610-615 11624-629 11685-690 11702-712			

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
17	13 3/8	358	375 "C" w/2% cacl2
12¼	9 5/8	5395	~~1250 Hal lite 400 cl "C"~~
8 3/4	7	11956	~~320 sx poz mix 360 "H"~~
	2 7/8	11508	

V. TEST DATA AND REQUEST FOR ALLOWABLE *(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)*

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 - Bbls.**	**Gas - MCF**

GAS WELL Pending Gas Lift well testing. Will advise on amount of Test Data.

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method *(pitot, back pr.)*	**Tubing Pressure (Shut-in)**	**Casing Pressure (Shut-in)**	**Choke Size**

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Juanita L. Jones
(Signature)
Agent
(Title)
10/31/74
(Date)

OIL CONSERVATION COMMISSION
APPROVED NOV 11 1974, 19____
BY W. A. Gressett
TITLE OIL AND GAS INSPECTOR

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply com[illegible]

OIL CONSERVATION COMMISSION

P. O. DRAWER DD

ARTESIA, NEW MEXICO 88210

RECEIVED

NOV 14 1974

O. C. C.
ARTESIA, OFFICE

NOTICE OF GAS CONNECTION

Date November 11, 1974

This is to notify the Oil Conservation Commission that connection for the purchase of gas from the Michael P.Grace II
Operator

Airport Grace, #1 K, -36-22-26
Lease, Well & Unit, S,T.R.

South Carlsbad Morrow, El Paso Natural Gas Co.
Pool, Name of Purchaser

was made on November 8, 1974.

El Paso Natural Gas Co.
Purchaser

Frances R. Elliott
Representative

Gas Production Status Anaylst
Title

TRE: bl

cc: To operator
Oil Conservation Commission - Santa Fe

Proration
T. J. Crutchfield
H. P. Logan
H. O. Whitt
File

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OPERATOR	1	

Form C-105
Revised 1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED
NOV 12 1974
O. C. C.
ARTESIA, OFFICE

5a. Indicate Type of Lease: State [x] Fee [ ]
5. State Oil & Gas Lease No.: K-6290

1a. TYPE OF WELL
b. TYPE OF COMPLETION: OIL WELL [ ] GAS WELL [x] DRY [ ] OTHER
NEW WELL [x] WORK OVER [ ] DEEPEN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] OTHER

7. Unit Agreement Name:
8. Farm or Lease Name: Airport Grace
9. Well No.: 1
10. Field and Pool, or Wildcat: So.Carlsbad Morrow

2. Name of Operator: Michael P. Grace II
3. Address of Operator: P. O. Box 1418, Carlsbad, New Mexico 88220
4. Location of Well: UNIT LETTER K LOCATED 1980 FEET FROM THE South LINE AND 2164 FEET FROM THE West LINE OF SEC. 36 TWP. 22S RGE. 26E NMPM
12. County: Eddy

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Cashinghead
3/28/73	5/6/73	10/31/74	3221 GR	3221

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
11956	11912		→	0- T.D.	

24. Producing Interval(s), of this completion — Top, Bottom, Name: 11450 top 11750 bottom Morrow Sand
25. Was Directional Survey Made: No
26. Type Electric and Other Logs Run: BHC ACOUSTILOG GAMMA RAY NEUTRON MICRO LATEROLOG LATEROLOG
27. Was Well Cored: No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8	48# 72#	358	17"	375 sx"C" w/2% cacl2	None
9 5/8	36# 40#	5395	12¼"	1250"Hal Lite" 400 Cl."C"	None
7	23# 32#	11956	8 3/4	320 sx poz mix 360 sx"H"	None

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 7/8	11508	11500

31. Perforation Record (Interval, size and number)
11610-11615 5 .3" holes
11624-11629 5 .5" holes
11685-11690 5 .3" holes
11702-11712 10 .5" holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
11624-11629	120,000 gal super emulsifrac
11702-11712	w/100,000# sand

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping — Size and type pump)	Well Status (Prod. or Shut-in)
11/8/74	gas lift	Prod.

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas — Oil Ratio
11/12/74	24	variable		0	1110	0	--

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)
400	900#		0	1110	0	--

34. Disposition of Gas (Sold, used for fuel, vented, etc.): To be Sold
Test Witnessed By: C. Grace, H. Benningfield
35. List of Attachments: 2 copies of logs
36. 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.

SIGNED Juanita L. Goes TITLE Agent DATE 11/12/74

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission 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 30 through 34 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				Northwestern New Mexico			
T. Anhy		T. Canyon		T. Ojo Alamo		T. Penn. "B"	
T. Salt		T. Strawn		T. Kirtland-Fruitland		T. Penn. "C"	
B. Salt		T. Atoka		T. Pictured Cliffs		T. Penn. "D"	
T. Yates		T. Miss		T. Cliff House		T. Leadville	
T. 7 Rivers		T. Devonian		T. Menefee		T. Madison	
T. Queen		T. Silurian		T. Point Lookout		T. Elbert	
T. Grayburg		T. Montoya		T. Mancos		T. McCracken	
T. San Andres		T. Simpson		T. Gallup		T. Ignacio Qtzte	
T. Glorieta		T. McKee		Base Greenhorn		T. Granite	
T. Paddock		T. Ellenburger		T. Dakota		T.	
T. Blinebry		T. Gr. Wash		T. Morrison		T.	
T. Tubb		T. Granite		T. Todilto		T.	
T. Drinkard		T. Delaware Sand		T. Entrada		T.	
T. Abo		T. Bone Springs		T. Wingate		T.	
T. Wolfcamp		T.		T. Chinle		T.	
T. Penn.		T.		T. Permian		T.	
T Cisco (Bough C)		T.		T. Penn. "A"		T.	

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation
0	500	500	Sand, shale, anhy
500	1500	1000	Anhy & salt
1500	1825	325	Anhy & lime
1825	1990	165	Lime, anhy & shale
1990	5320	3330	Sand, lime & shale
5320	6308	988	Lime & shale
6308	6520	212	Sand & shale
6520	6820	300	Lime
6820	6955	135	Sand & shale
6955	8405	1450	Lime shale & sand
8405	9000	595	Sand Lime & shale
9000	9510	510	Shale & lime
9510	9880	370	Lime & shale
9880	10430	550	Shale & Lime
10430	11495	1065	Lime, shale & chert
11495	11820	325	Sand & shale
11820	11940	120	Shale & lime

From	To	Thickness in Feet	Formation
			Lamar 1828
			Deleware Sand 1993
			Bone Spring 5233
			1st Bone Spring 6308
			2nd Bone Spring 6820
			3rd Bone Spring 8810
			Wolfcamp 8915
			Canyon 10083
			Strawn 10430
			Atoka 10666
			Morrow 11287
			Barnett 11923

RECEIVED

DEC 19 1974

O. C. C.
ARTESIA, [illegible]

NEW MEXICO
OIL CONSERVATION COMMISSION
P. O. BOX 2088
SANTA FE, NEW MEXICO

GAS SUPPLEMENT NO. (NW) (SE) AR - 217 DATE 11/13/74

NOTICE OF WELL CONNECTION OR AUTHORITY TO ASSIGN ALLOWABLE
ALL VOLUMES EXPRESSED IN MCF

The operator of the following well has complied with all the requirements of the Oil Conservation Commission and may be assigned an allowable as shown below.

Date of Connection 11-8-74 Date of First Allowable or Allowable Change 11-8-74
Purchaser El Paso Natural Gas Company Pool South Carlsbad Morrow
Operator Michael P. Grace II Lease Airport Grace
Well No. 1 Unit Letter K Sec. 36 Twp. 22 Rnge. 26
Dedicated Acreage 320 Revised Acreage Difference
Acreage Factor 1.00 Revised Acreage Factor Difference
Deliverability Revised Deliverability Difference
A x D Factor Revised A x D Factor Difference

New Connection (M)

W. A. Gressett DIST. # 2

CALCULATION OF SUPPLEMENTAL ALLOWABLE

MONTH	% OF MO.	PREV. ALLOW	REV. ALLOW.	PREV. PROD.	REV. PROD.	REMARKS
JANUARY						
FEBRUARY						
MARCH						
APRIL						
MAY						
JUNE						
JULY						
AUGUST						
SEPTEMBER						
OCTOBER						
NOVEMBER						
DECEMBER						
TOTALS						
ALLOWABLE PRODUCTION DIFFERENCE - - - - - -						
Oct. SCHEDULE O/U STATUS - - - - - -						
REVISED Oct. O/U STATUS - - - - - -						
EFFECTIVE IN Jan. SCHEDULE - - - - -						
PREVIOUS PERIOD ADJUSTMENTS - - - - - - - -						CURRENT CLASSIFICATION NC TO M

NOTICE OF SHUT-IN

The following described well has been Shut-in for Failure of Compliance:

Purchaser Pool Date
Operator Lease
Well No. Unit Letter Sec. Twp. Rnge.
Effective date of Shut-in Reason for Shut-In

A. L. PORTER, Jr., *Director*

By J. E. Sapteina

OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO
P. O. DRAWER DD - ARTESIA
88210

DIRECTOR
JOE D. RAMEY

LAND COMMISSIONER
PHIL R. LUCERO

STATE GEOLOGIST
EMERY C. ARNOLD

March 3, 1978

Michael P. Grace
P.O. Box 1418
Carlsbad, NM 88220

Dear Mr. Grace:

Effective March 1, 1978 the allowables of the wells listed below are hereby cancelled for failure to comply with Commission Rule 101. (New Bonding Requirements)

South Carlsbad Morrow, Gas Pool

Airport Grace #1-K, 36-22-26

Grace Atlantic Com. #1-J, 24-22-26

Sincerely yours,

W. A. Gressett

W.A. Gressett
Supervisor, District II

WAG:sm

NCO

EPG

Xc/ Mr. R.L. Stamets
P.O. Box 2088
Santa Fe, NM 87501

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RECEIVED BY
JAN 17 1985
O. C. D.
ARTESIA, OFFICE

Form C-103
Revised 10-1-78

5a. Indicate Type of Lease: State [X] Fee [ ]

5. State Oil & Gas Lease No.: K-6290

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT —" (FORM C-101) FOR SUCH PROPOSALS.)

OIL WELL [ ] GAS WELL [X] OTHER-

7. Unit Agreement Name:

1. Name of Operator: Corinne Grace ✓

8. Farm or Lease Name: Airport Grace

2. Address of Operator: P.O. Box 1418, Carlsbad, New Mexico 88220

9. Well No.: 1

4. Location of Well
UNIT LETTER K, 1980 FEET FROM THE South LINE AND 2164 FEET FROM THE West LINE, SECTION 36 TOWNSHIP 22S. RANGE 26E. NMPM.

10. Field and Pool, or Wildcat: S. Carlsbad Morrow

15. Elevation (Show whether DF, RT, GR, etc.): 3221 GR

12. County: Eddy

9. 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 [X]	ALTERING CASING [ ]
TEMPORARILY ABANDON [ ]		COMMENCE DRILLING OPNS. [ ]	PLUG AND ABANDONMENT [ ]
PULL OR ALTER CASING [ ]	CHANGE PLANS [ ]	CASING TEST AND CEMENT JOB [ ]	
OTHER [ ]		OTHER [ ]	

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

11-30-84 - Move in workover rig in preparation for remedial work in present formation to enhance production.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Faye Huber TITLE Agent DATE Jan. 16, 1985

APPROVED BY Original Signed By Leslie A. Clements TITLE Supervisor District II DATE JAN 18 1985

CONDITIONS OF APPROVAL, IF ANY:

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-104
Revised 10-1-78

JUL 22 1983
O. C. D.
ARTESIA, OFFICE

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Operator
Corinne Grace ✓

Address
P.O. Box 1418, Carlsbad, New Mexico 88220

Reason(s) for filing (Check proper box)

New Well	☐	Change in Transporter of:	
Recompletion	☐	Oil ☐	Dry Gas ☐
Change in Ownership	☒	Casinghead Gas ☐	Condensate ☐

Other (Please explain)

If change of ownership give name and address of previous owner Michael P. Grace II, P.O. Box 1033, Venice, California 90291

DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Airport Grace	1	South Carlsbad Morrow	State, Federal or Fee State	K-6290

Location
Unit Letter K ; 1980 Feet From The South Line and 2164 Feet From The West

Line of Section 36 Township 22S Range 26E , NMPM, Eddy County

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☒	Address (Give address to which approved copy of this form is to be sent)
Navajo Crude Oil Purchasing Company	North Freeman, Artesia, New Mexico 88210
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒	Address (Give address to which approved copy of this form is to be sent)
El Paso Natural Gas Company	P.O. Box 1492, El Paso, Texas 79950

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	K	36	22	26	Yes	11/8/74

If this production is commingled with that from any other lease or pool, give commingling order number:

COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Perforations			Depth Casing Shoe

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

TEST DATA AND REQUEST FOR ALLOWABLE

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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-Bbls.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Corinne Grace
(Signature)
Owner
(Title)
July 20, 1983
(Date)

OIL CONSERVATION DIVISION

APPROVED JUL 25 1983, 19
Original Signed By
BY Leslie A. Clements
Supervisor District II
TITLE

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
811 South First, Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-104
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] Operator name and Address	[2] OGRID Number
MARBOB ENERGY CORPORATION P.O. BOX 227 ARTESIA, NM 88210	14049
	[3] Reason for Filing Code CH EFFECTIVE 8/1/00

[4] API Number	[5] Pool Name	[6] Pool Code
30 - 0 15-20829	CARLSBAD MORROW SOUTH	73960
[7] Property Code	[8] Property Name	[9] Well Number
26665	AIRPORT GRACE	001

II. [10] Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
K	36	22S	26E		1980	SOUTH	2164	WEST	EDDY

[11] Bottom Hole Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date
S	F				

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] POD	[21] O/G	[22] POD ULSTR Location and Description
7057	EL PASO NATURAL GAS	1021130	G	

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JUL 31 ARTESIA

IV. Produced Water

[23] POD	[24] POD ULSTR Location and Description

V. Well Completion Data

[25] Spud Date	[26] Ready Date	[27] TD	[28] PBTD	[29] Perforations	[30] DHC, DC, MC

[31] Hole Size	[32] Casing & Tubing Size	[33] Depth Set	[34] Sacks Cement

VI. Well Test Data

[35] Date New Oil	[36] Gas Delivery Date	[37] Test Date	[38] Test Length	[39] Tbg. Pressure	[40] Csg. Pressure
[41] Choke Size	**[42] Oil**	**[43] Water**	**[44] Gas**	**[45] AOF**	**[46] Test Method**

[47] I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: Robin Cockrum

Printed name: ROBIN COCKRUM

Title: PRODUCTION ANALYST

Date: 07/31/00 Phone: 748-3303

OIL CONSERVATION DIVISION

Approved by: ORIGINAL SIGNED BY TIM W. GUM

Title: DISTRICT II SUPERVISOR

Approval Date: SEP 15 2000

[48] If this is a change of operator fill in the OGRID number and name of the previous operator

CORINNE B. GRACE OGRID #5268

Previous Operator Signature	Printed Name	Title	Date
Corinne B. Grace	Corinne B. Grace		8/1/00

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
811 South First, Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

C151

Form C-101
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

JAN 2002 RECEIVED OCD - ARTESIA

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1Operator Name and Address	2OGRID Number
MARBOB ENERGY CORPORATION PO BOX 227 ARTESIA, NM 88211-0227	14049
	3API Number 30 - 015-20829

4Property Code	5Property Name	6Well No.
26665	AIRPORT GRACE	1

7Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West Line	County
K	36	22S	26E		1980	SOUTH	2164	WEST	EDDY

8Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West Line	County

9Proposed Pool 1	10Proposed Pool 2
CARLSBAD STRAWN SOUTH	

11Work Type Code	12Well Type Code	13Cable/Rotary	14Lease Type Code	15Ground Level Elevation
P	G	R	S	3221
16Multiple	**17Proposed Depth**	**18Formation**	**19Contractor**	**20Spud Date**
No	11956	STRAWN		01-15-02

21Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17"	13 3/8"	48# & 72#	358'	375 SX	
12 1/4"	9 5/8"	36# & 40#	5395'	1650 SX	
8 3/4"	7"	23# & 32#	11956'	680 SX	6900'

22Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

PLUG BACK AS FOLLOWS: SET CIBP + 35' CMT @ 11,400' (MORROW PERFS 11,429' - 11,439'). SET CIBP + 35' CMT @ 10,865' (ATOKA PERFS 10,900' - 10,904'). TEST STRAWN ZONES WITHIN 10,435' - 10,564' GROSS INTERVAL. IF NOT COMMERCIAL IN STRAWN, SET CIBP + 35' CMT @ 10,400'. TEST CANYON @ 10,200' - 10,206'. IF NOT COMMERCIAL IN CANYON, SET CIBP + 35' CMT @ 10,150'. TEST WOLFCAMP ZONES WITHIN 9,525' - 9,878' GROSS INTERVAL.

Oper To use BOPE, NSL required To produce. BH

23I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature: Diana J. Cannon

Printed name: DIANA J. CANNON

Title: PRODUCTION ANALYST

Date: 01-18-02 Phone: 505-748-3303

OIL CONSERVATION DIVISION

Approved By: ORIGINAL SIGNED BY TIM W. GUM DISTRICT II SUPERVISOR

Title:

Approval Date: JAN 28 2002 Expiration Date: JAN 28 2003

Conditions of Approval:
Attached: ☐

NEW MEXICO OIL CONSERVATION COMMISSION

WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

Operator	Lease	Well No.
MARBOB ENERGY CORPORATION	AIRPORT GRACE	1

Unit Letter	Section	Township	Range	County
K	36	22 SOUTH	26 EAST	EDDY

Actual Footage Location of Well: 1980 feet from the SOUTH line and 2164 feet from the WEST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3221'	STRAWN	SOUTH CARLSBAD	320 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

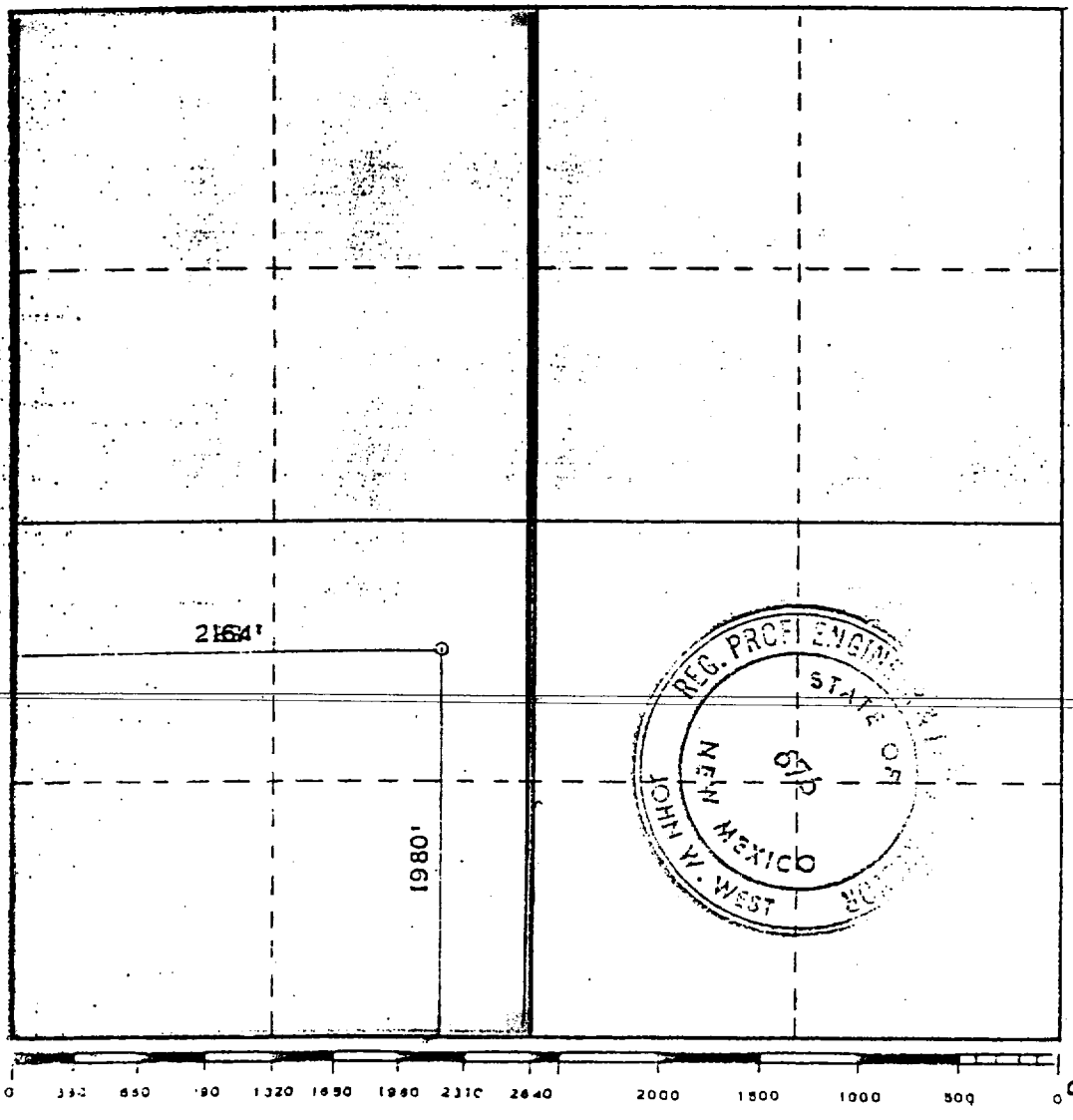
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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 ☒ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name: DIANA J. CANNON

Position: PRODUCTION ANALYST

Company: MARBOB ENERGY CORPORATION

Date: JANUARY 18, 2002

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: 1-6-73

Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No. 676

Sincerely,

Lori Wrotenbery
Director

LW/MES/kv

cc: New Mexico Oil Conservation Division - Artesia
New Mexico State Land Office - Santa Fe
File: NSL-599

March 19, 2002

Marbob Energy Corporation
P. O. Box 227
Artesia, New Mexico 88211-0227

Telefax No. (505) 746-2523

Attention: Dean Chumbley

Administrative Order NSL-599-A

Dear Mr. Chumbley:

Reference is made to the following: (**i**) your application submitted to the New Mexico Oil Conservation Division ("Division") on February 26, 2002 (*application reference No. pKRV0-206051136*); and (**ii**) the Division's records, including the file on Administrative Order NSL-599: all concerning Marbob Energy Corporation's ("Marbob") request to amend a previously approved order by the Division of an unorthodox gas well location by expanding the vertical limits of the provisions in this order to include the Undesignated South Carlsbad-Strawn Gas Pool (**74120**).

Division Administrative Order NSL-599, dated March 15, 1973, authorized Michael P. Grace II to drill its Airport Grace Well No. 1 (**API No. 30-015-20829**) at an unorthodox gas well location within the South Carlsbad-Morrow Gas Pool 1980 feet from the South line and 2164 feet from the West line (Unit K) of Section 36, Township 22 South, Range 26 East, NMPM, Eddy County, New Mexico, within a standard 320-acre stand-up gas spacing and proration unit comprising the W/2 of Section 36.

It is the Division's understanding that the deeper Morrow interval was recently plugged-back and the wellbore was recompleted uphole into the shallower Strawn interval. Pursuant to Division Rule 104.C (2) (a), revised by Division Order No. R-11231, issued by the New Mexico Oil Conservation Commission in Case No. 12119 on August 12, 1999, this location is unorthodox for the Undesignated South Carlsbad-Strawn Pool. Further, the W/2 of Section 36, being a standard 320-acre gas spacing and proration unit for this pool, is also to be dedicated to this well.

The subject request has been duly filed under the provisions of Division Rule 104.F, as revised.

By the authority granted me under the provisions of Division Rule 104.F (2), as revised, the above-described unorthodox gas well location for Marbob's Airport Grace Well No. 1 is hereby approved for the Undesignated South Carlsbad-Strawn Gas Pool.

Further, Division Administrative Order NSL-599 dated March 15, 1973 is hereby placed in abeyance until further notice.

Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

Submit 3 Copies to Appropriate District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

C/SF

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

FEB 2002
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OCD - ARTESIA

WELL API NO.	30-015-20829
5Indicate Type of Lease	STATE X FEE
6State Oil & Gas Lease No.	K-6290

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7Lease Name or Unit Agreement Name	AIRPORT GRACE
1Type of Well: OIL WELL / GAS WELL X / OTHER	
2Name of Operator	MARBOB ENERGY CORPORATION
8Well No.	1
3Address of Operator	PO BOX 227, ARTESIA, NM 88211-0227 505-748-3303
9Pool name or Wildcat	CARLSBAD STRAWN SOUTH

4Well Location
Unit Letter K : 1980 Feet From The SOUTH Line and 2164 Feet From The WEST Line

Section 36 Township 22S Range 26E NMPM EDDY County

10Elevation (*Show whether DF, RKB, RT, GR, etc.*) 3221' GR

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 ANBANDONMENT
PULL OR ALTER CASING		CASING TEST AND CEMENT JOB	
OTHER:		OTHER: RECOMPLETION	X

12Describe Proposed or Completed Operations (*Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work*) SEE RULE 1103.

PLUG BACK AS FOLLOWS:
1/21/02 - SET 7" CIBP @ 11400', DUMP 35' CMT ON TOP OF PLUG. SET SECOND 7" CIBP @ 10865', DUMP 35' CMT ON TOP OF PLUG. LOAD HOLE W/ 2% KCL & TEST CSG TO 700 PSI @ 2 BPM. PERF STRAWN @ 1 SPF @ 10435, 37, 39, 41, 43, 45, 513, 15, 17, 19, 54, 56, 58 & 60' (14 SHOTS).
1/22/02 - SET PKR @ 10366'. START SWABBING DOWN TO 9000'.
1/23/02 - PUMP 5000 GAL 15% NEFE HCL ACID AND DROP 5 SLUGS OF 5 BALLS. FORMATION BROKE @ 6844 PSI. TREAT @ 4800 - 5000 PSI @ 3.5 BPM. ISDP 3140 PSI.
1/24/02 - SWAB WELL DRY IN 7 RUNS. WELL MAKING 25-30 MCF. SWI.
1/29/02 - PUMP 16,000 GAL HCL 15% ACID AND 85 TONS OF CO2. TREATED @ 6100 PSI @ 10 BPM. ISIP 3562 PSI. STARTED FLOWING WELL BACK ON 20/64" CHOKE WITH 3300 PSI.
1/30/02 - LEFT WELL FLOWING TO FRAC TANK ON 6/64" CHOKE.
1/31/02 - WELL HAD 200 PSI ON 6/64" CHOKE. TAG FLUID @ S/N (10350').

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Diana J. Cannon TITLE PRODUCTION ANALYST DATE 02-13-02

TYPE OR PRINT NAME DIANA J. CANNON TELEPHONE NO. 505-748-3303

(This space for State Use)

APPROVED BY ORIGINAL SIGNED BY TIM W. GUM DISTRICT II SUPERVISOR TITLE DATE MAR 19 2002

CONDITIONS OF APPROVAL, IF ANY:

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240
DISTRICT II
P.O. Drawer DD, Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

Form C-105
Revised 1-1-89

CISF BLM Bfm SLO

FEB 2002 RECEIVED OCD - ARTESIA

WELL API NO. 30-015-20829

5. Indicate Type of Lease STATE X FEE

6. State Oil & Gas Lease No. K-6290

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL GAS WELL X DRY OTHER

b. Type of Completion: NEW WELL WORK OVER DEEPEN PLUG BACK X DIFF RESVR OTHER

7. Lease Name or Unit Agreement Name: AIRPORT GRACE

2. Name of Operator: MARBOB ENERGY CORPORATION

8. Well No. 1

3. Address of Operator: PO BOX 227, ARTESIA, NM 88211-0227

9. Pool name or Wildcat: CARLSBAD STRAWN SOUTH

4. Well Location
Unit Letter K : 1980 Feet From The SOUTH Line and 2164 Feet From The WEST Line
Section 36 Township 22S Range 26E NMPM EDDY County

10. Date Spudded	11. Date T.D. Reached	12. Date Compl. (Ready to Prod.)	13. Elevations (DF & RKB, RT, GR, etc.)	14. Elev. Casinghead
03/28/73	05/06/73	01/30/02	3221' GR	

15. Total Depth	16. Plug Back T.D.	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By	Rotary Tools	Cable Tools
11956'	10865'			X	

19. Producing Interval(s), of this completion - Top, Bottom, Name: 10435' - 10560' STRAWN

20. Was Directional Survey Made: No

21. Type Electric and Other Logs Run: NONE

22. Was Well Cored: No

23. **CASING RECORD** (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	48# - 72#	358'	17 1/2"	CMTD W/ 375 SX, CIRC 100 SX	NONE
9 5/8"	36# - 40#	5391'	12 1/4"	CMTD W/ 1650 SX	NONE
7"	23# - 32#	11956'	8 3/4"	CMTD W/ 680 SX	NONE

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 7/8"	10366'	

26. Perforation record (interval, size, and number)
10435' - 10560' (14 SHOTS)

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
10435' - 10560'	ACDZ W/ 5000 GAL 15% NEFE HCL ACID

28. **PRODUCTION**

Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)	Well Status (Prod. or Shut-in)
01/30/02	FLOWING	PROD

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - BbL.	Gas - MCF	Water - BbL.	Gas - Oil Ratio
01/31/02	24	6/64"		0	25	0	

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - BbL.	Gas - MCF	Water - BbL.	Oil Gravity - API - (Corr.)
200						

29. Disposition of Gas (Sold, used for fuel, vented, etc.): SOLD

Test Witnessed By: SHANE GRAY

30. List Attachments: NONE

31. *I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief*

Signature Diana J. Cannon Printed Name DIANA J. CANNON Title PRODUCTION ANALYST Date 02/13/02

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
811 South First, Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

C15F 6-7

Form C-104
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] Operator name and Address	[2] OGRID Number
MARBOB ENERGY CORPORATION PO BOX 227 ARTESIA, NM 88211-0227	14049
	[3] Reason for Filing Code RC EFFECTIVE 1/31/02

[4] API Number	[5] Pool Name	[6] Pool Code
30 - 0 15-20829	CARLSBAD STRAWN SOUTH	74120

[7] Property Code	[8] Property Name	[9] Well Number
26665	AIRPORT GRACE	1

II. [10] Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
K	36	22S	26E		1980	SOUTH	2164	WEST	EDDY

[11] Bottom Hole Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date
S	F	01/30/02			

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] POD	[21] O/G	[22] POD ULSTR Location and Description
		2831976	O	
36785	DUKE ENERGY PO BOX 50020 MIDLAND, TX 79710-0020	~~1021130~~ 2831977	G	TANK BATTERY SEC. 36-T22S-R26E, UNIT K
Effective 3-1-02				

RECEIVED
OCD - ARTESIA

IV. Produced Water

[23] POD	[24] POD ULSTR Location and Description
~~2831978~~ 2831982	

V. Well Completion Data

[25] Spud Date	[26] Ready Date	[27] TD	[28] PBTD	[29] Perforations	[30] DHC, DC, MC
03/28/43	01/30/02	11956'	10865'	10435' - 10560'	

[31] Hole Size	[32] Casing & Tubing Size	[33] Depth Set	[34] Sacks Cement
17 1/2"	13 3/8"	358'	375 SX, CIRC
12 1/4"	9 5/8"	5391'	1650 SX
8 3/4"	7"	11956'	680 SX
	2 7/8"	10366'	

VI. Well Test Data

[35] Date New Oil	[36] Gas Delivery Date	[37] Test Date	[38] Test Length	[39] Tbg. Pressure	[40] Csg. Pressure
01/30/02	01/30/02	01/31/02	24 HRS	200	
[41] Choke Size	**[42] Oil**	**[43] Water**	**[44] Gas**	**[45] AOF**	**[46] Test Method**
6/64"	0	0	25		

[47] I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: Diana J. Cannon

Printed name: DIANA J. CANNON

Title: PRODUCTION ANALYST

Date: 02/13/02 Phone: 505-748-3303

OIL CONSERVATION DIVISION

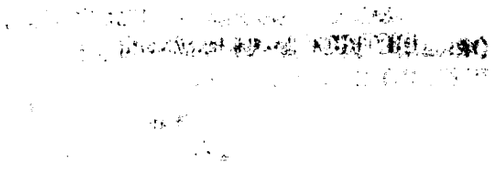
Approved by: ORIGINAL SIGNED BY TIM W. GUM
DISTRICT II SUPERVISOR

Title:

Approval Date: MAR 19 2002

[48] If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature	Printed Name	Title	Date



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
BETTY RIVERA
Cabinet Secretary

March 19, 2002

Lori Wrotenbery
Director
Oil Conservation Division

Marbob Energy Corporation
P. O. Box 227
Artesia, New Mexico 88211-0227
Attention: Dean Chumbley



Telefax No. (505) 746-2523

Administrative Order NSL-599-A

Dear Mr. Chumbley:

Reference is made to the following: (**i**) your application submitted to the New Mexico Oil Conservation Division ("Division") on February 26, 2002 (*application reference No. pKRV0-206051136*); and (**ii**) the Division's records, including the file on Administrative Order NSL-599: all concerning Marbob Energy Corporation's ("Marbob") request to amend a previously approved order by the Division of an unorthodox gas well location by expanding the vertical limits of the provisions in this order to include the Undesignated South Carlsbad-Strawn Gas Pool (**74120**).

Division Administrative Order NSL-599, dated March 15, 1973, authorized Michael P. Grace II to drill its Airport Grace Well No. 1 (**API No. 30-015-20829**) at an unorthodox gas well location within the South Carlsbad-Morrow Gas Pool 1980 feet from the South line and 2164 feet from the West line (Unit K) of Section 36, Township 22 South, Range 26 East, NMPM, Eddy County, New Mexico, within a standard 320-acre stand-up gas spacing and proration unit comprising the W/2 of Section 36.

It is the Division's understanding that the deeper Morrow interval was recently plugged-back and the wellbore was recompleted uphole into the shallower Strawn interval. Pursuant to Division Rule 104.C (2) (a), revised by Division Order No. R-11231, issued by the New Mexico Oil Conservation Commission in Case No. 12119 on August 12, 1999, this location is unorthodox for the Undesignated South Carlsbad-Strawn Pool. Further, the W/2 of Section 36, being a standard 320-acre gas spacing and proration unit for this pool, is also to be dedicated to this well.

The subject request has been duly filed under the provisions of Division Rule 104.F, as revised.

By the authority granted me under the provisions of Division Rule 104.F (2), as revised, the above-described unorthodox gas well location for Marbob's Airport Grace Well No. 1 is hereby approved for the Undesignated South Carlsbad-Strawn Gas Pool.

Further, Division Administrative Order NSL-599 dated March 15, 1973 is hereby placed in abeyance until further notice.

Jurisdiction of this case is retained for the entry of such further orders as the Division may deem necessary.

Sincerely,

Lori Wrotenbery

Director

LW/MES/kv

cc: New Mexico Oil Conservation Division - Artesia
New Mexico State Land Office - Santa Fe
File: NSL-599

COMMISSIONER'S OFFICE
Phone (505) 827-5760
Fax (505) 827-5766

ADMINISTRATION
Phone (505) 827-5700
Fax (505) 827-5853

GENERAL COUNSEL
Phone (505) 827-5713
Fax (505) 827-4262

PUBLIC AFFAIRS
Phone (505) 827-1245
Fax (505) 827-5766

COMMERCIAL RESOURCES
Phone (505) 827-5724
Fax (505) 827-6157

MINERAL RESOURCES
Phone (505) 827-5744
Fax (505) 827-4739

ROYALTY MANAGEMENT
Phone (505) 827-5772
Fax (505) 827-4739

SURFACE RESOURCES
Phone (505) 827-5793
Fax (505) 827-5711

New Mexico State Land Office
Commissioner of Public Lands
Ray Powell, M.S., D.V.M.

April 10, 2002

APR 1 2 2002

Marbob Energy Corporation
P.O. Box 227
Artesia, New Mexico 88211-0227

Attn: Mr. Brian Collins

Re: Downhole Commingling Application
Airport Grace Well No. 1
Unit Letter K, Section 36-22S-26E
Undesignated Wolfcamp, Undesignated Canyon and Carlsbad Strawn South Pools
Eddy County, New Mexico

This office is in receipt of your application of April 4, 2002, requesting our approval to downhole commingle the production from the above subject well from the Undesignated Wolfcamp, Undesignated Canyon and Carlsbad Strawn South Pools in Eddy County, New Mexico.

It is our understanding that production from the subject well will be allocated as follows:

POOL	ALLOCATION	
	Oil %	Gas %
Undesignated Wolfcamp	47.5 %	47.5 %
Undesignated Canyon	5 %	5 %
Carlsbad Strawn South	47.5 %	47.5 %
	100	100

Since it appears that there will be no loss of revenue to the State of New Mexico as a result of your proposed operation, your request for downhole commingling the production from the above-mentioned well is hereby approved. Any deviation from the substance of your request will be sufficient grounds for rescinding our approval. Our approval is subject to like approval by the New Mexico Oil Conservation Division.

Your filing fee in the amount of $30.00 has been received.

Also, please submit a copy of the Oil Conservation Division's approval order.

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
BETTY RIVERA
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

***CORRECTED** ADMINISTRATIVE ORDER DHC-3041*

Marbob Energy Corporation
PO Box 227
Artesia, New Mexico 88211-0227



Attention: Mr. Brian Collins

Airport Grace Well No. 1
API No. 30-015-20829
Unit K, Section 36, Township 22 South, Range 26 East, NMPM,
Eddy County, New Mexico
Wildcat-Wolfcamp,
***Wildcat-Canyon**, and*
South Carlsbad-Strawn (Gas-74120) Pools

Dear Mr. Collins:

Reference is made to your recent application for an exception to Rule 303.A. of the Division Rules and Regulations to permit the above described well to commingle production from the subject pools in the well bore.

It appearing that the subject well qualifies for approval for such exception pursuant to the provisions of Rule 303.C., and that reservoir damage or waste will not result from such downhole commingling, and correlative rights will not be violated thereby, you are hereby authorized to commingle the production as described above and any Division Order which authorized the dual completion and required separation of the zones is hereby placed in abeyance.

The maximum amount of gas-well gas which may be produced daily from the well shall be determined by Division Rules and Regulations or by the gas allowable for each respective prorated gas pool as printed in the Division's Southeast Gas Proration Schedule.

In accordance with the provisions of Rule 303.C.(1), each of the commingled oil pools shall be allowed to produce up to the top oil allowable and top casing head gas allowable applicable for that pool.

Assignment of allowable to the well and allocation of production from the well shall be on the following basis unless **amended** with permission of the Artesia District Office and copied to this office:

Wildcat-Wolfcamp	Oil-47.5%	Gas-47.5%
South Carlsbad-Strawn Pool	Oil-47.5%	Gas-47.5%
Wildcat-Canyon Pool	**Oil-5%**	**Gas-5%**

REMARKS: The operator shall notify the Artesia District Office of the Division upon implementation of the commingling process.

Pursuant to Rule 303.C.(2), the commingling authority granted herein may be rescinded by the Division Director if conservation is not being best served by such commingling.

Approved at Santa Fe, New Mexico on this 3rd day of September 2002.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

Lori Wrotenbery (WVJJ)
LORI WROTENBERY
Division Director

LW/wvjj
cc: Oil Conservation Division – Artesia
State Land Office – Santa Fe

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104A
March 19, 2001

Submit 1 copy of the final affected wells list along with 1 copy of this form per number of wells on that list to appropriate District Office

Change of Operator

Previous Operator Information:		New Operator Information:	
		Effective Date:	FEBRUARY 1, 2003
OGRID:	14049	New Ogrid:	013645
Name:	MARBOB ENERGY CORPORATION	New Name:	LYNX PETROLEUM
Address:	PO BOX 227	Address:	PO BOX 1708
Address:		Address:	
City, State, Zip:	ARTESIA, NM 88211-0227	City, State, Zip:	HOBBS, NM 88241-1708

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information on this form and the attached list of wells is true and complete to the best of my knowledge and belief.

New Operator Signature: Marc Wise

Printed name: Marc Wise

Title: President

Date: 2/13/03 Phone: (505) 392-6950

FEB 2003
RECEIVED
OCD - ARTESIA

Previous operator complete below:

Previous Operator: MARBOB ENERGY CORPORATION

Previous OGRID: 14049

Signature: Diana J. Cannon

Printed Name: DIANA J. CANNON

NMOCD Approval

Signature: Gene W. Brown

Printed Name: District Supervisor

District:

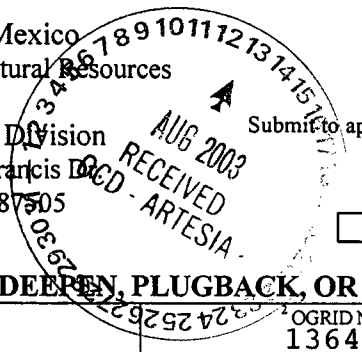
Date: FEB 27 2003

30-015-20829

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505



Form C-101
Revised March 17, 1999

Submit to appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

[1] Operator Name and Address	[2] OGRID Number
Lynx Petroleum Consultants, Inc. P.O. Box 1708 Hobbs, NM 88241	13645
	[3] API Number 30- 015-20829

[4] Property Code	[5] Property Name	[6] Well No.
32018	Airport Grace	1

[7] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	36	22S	26E		1980	South	2164	West	Eddy

[8] Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

[9] Proposed Pool 1	[10] Proposed Pool 2
Carlsbad, Canyon, South (73880)	

[11] Work Type Code	[12] Well Type Code	[13] Cable/Rotary	[14] Lease Type Code	[15] Ground Level Elevation
P	G		S	3221
[16] Multiple	**[17] Proposed Depth**	**[18] Formation**	**[19] Contractor**	**[20] Spud Date**
N	11956	Canyon		9/1/03

[21] Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17"	13 3/8"	48# & 72#	358'	375 sxs	Surface
12 1/4"	9 5/8"	36# & 40#	5395'	1650 sxs	
8 3/4"	7"	23# & 32#	11956'	680 sxs	6900'

[22] Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone.

Describe the blowout prevention program, if any. Use additional sheets if necessary.

Plug Back As Follows: NU BOPE. Pull packer and tubing. Set a CIBP at 10395'. Dump 35' cement on top. Perforate 10200-205' 4 jspf. Acidize if necessary with 1500 gals 15% HCL. If non-commercial perforate and test upper Canyon 9862'-66'.

NSL 599-B

[23] I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature: Marc Wise

Printed name: Marc Wise

Title: Regulatory Supervisor

Date: 8/12/03

Phone: (505) 392-6950

OIL CONSERVATION DIVISION

Approved by: Jim W. Gum

Title: SUPERVISOR, DISTRICT II

Approval Date: AUG 26 2003 Expiration Date: AUG 26 2004

Conditions of Approval:

Attached ☐

NEW MEXICO OIL CONSERVATION COMMISS

Form C-102
Supersedes C-128
Effective 1-1-65

WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section.

Operator	Lease	Well No.
Lynx Petroleum Consultants, Inc.	AIRPORT GRACE	1

Unit Letter	Section	Township	Range	County
K	36	22 SOUTH	26 EAST	EDDY

Actual Footage Location of Well:
1980 feet from the SOUTH line and 2164 feet from the WEST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage
3221'	Canyon	SOUTH CARLSBAD	320

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

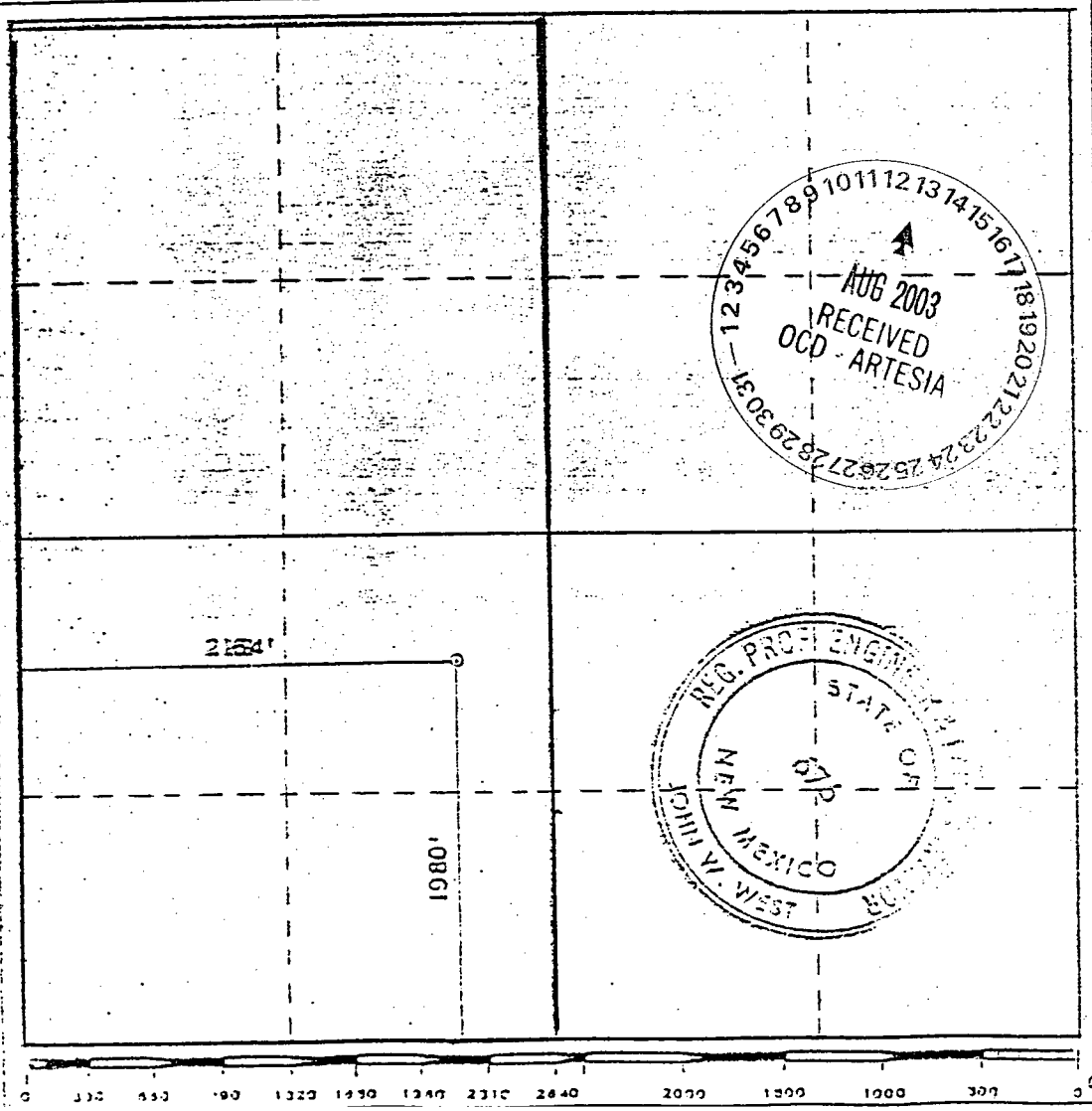
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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 ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name: Marc Wise

Position: Regulatory Spv.

Company: Lynx Petroleum

Date: 8/12/03

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: 1-6-73

Registered Professional Engineer and/or Land Surveyor

Certificate No. 676

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

August 26, 2003



Lynx Petroleum Consultants, Inc.
P. O. Box 1708
Hobbs, New Mexico 88241

Attention: Marc Wise
lynxpet@leaco.net

Administrative Order NSL-599-B

Dear Mr. Wise:

Reference is made to the following: **(i)** your application submitted to the New Mexico Oil Conservation Division ("Division") on August 18, 2003 (*administrative application reference No. pMES0-323338919*); and **(ii)** the Division's records, including the files on Administrative Orders NSL-599 and NSL-599-A: all concerning Lynx Petroleum Consultants, Inc.'s ("Lynx") request to amend previous Division administrative orders for an unorthodox gas well location by expanding the vertical limits to include the gas bearing Canyon formation.

The subject request has been duly filed under the provisions of Division Rule 104.F, revised by Division Order No. R-11231, issued by the New Mexico Oil Conservation Commission in Case No. 12119 on August 12, 1999

Division Administrative Order NSL-599, dated March 15, 1973, authorized Michael P. Grace II to drill its Airport Grace Well No. 1 (**API No. 30-015-20829**) at an unorthodox gas well location within the South Carlsbad-Morrow Gas Pool 1980 feet from the South line and 2164 feet from the West line (Unit K) of Section 36, Township 22 South, Range 26 East, NMPM, Eddy County, New Mexico, within a standard 320-acre stand-up gas spacing and proration unit comprising the W/2 of Section 36.

By Administrative Order NSL-599-A, dated March 19, 2002, the Division authorized Marbob Energy Corporation to recomplete the Airport Grace Well No. 1 up-hole into the Undesignated South Carlsbad-Strawn Pool (**74120**) within a standard 320-acre stand-up gas spacing and proration unit comprising the W/2 of Section 36 at an unorthodox gas well location.

It is the Division's understanding that Lyxn, as the current operator, now intends to abandon the Strawn interval and recomplete the above-described Airport Grace Well No. 1 by plugging back into the Undesignated South Carlsbad-Canyon Gas Pool (**73880**). Pursuant to Division Rule 104.C (2) (a), as revised, this location is also unorthodox for the proposed standard 320-acre stand-up Canyon gas spacing unit comprising the W/2 of Section 36.

By the authority granted me under the provisions of Division Rule 104.F (2), as revised, the above-described unorthodox gas well location for Lynx's Airport Grace Well No. 1 is hereby approved for the Undesignated South Carlsbad-Canyon Gas Pool.

Further, Division Administrative Order NSL-599-A, dated March 19, 2002, shall be placed in abeyance until further notice.

Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

Sincerely,

Lori Wrotenbery
Director

LW/mes

cc: New Mexico Oil Conservation Division - Artesia
New Mexico State Land Office - Santa Fe
File: NSL-599
NSL-599-A

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-103
Revised March 25, 1999

WELL API NO. 30-105-20829

5. Indicate Type of Lease STATE [X] FEE [ ]

6. State Oil & Gas Lease No. K-6290

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name: AIRPORT GRACE

1. Type of Well: Oil Well [ ] Gas Well [X] Other

2. Name of Operator: Lynx Petroleum Consultants, Inc.

8. Well No. 1

3. Address of Operator: P.O. Box 1708, Hobbs, NM 88241

9. Pool name or Wildcat: CARLSBAD,CANYON,SOUTH

4. Well Location

Unit Letter K : 1980 feet from the South line and 2164 feet from the West line

Section 36 Township 22S Range 26E NMPM Eddy County

10. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 3221' GR

SEP 2003 RECEIVED OCD - ARTESIA

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 [ ]	MULTIPLE COMPLETION [ ]	CASING TEST AND CEMENT JOB [ ]	
OTHER: [ ]		OTHER: RECOMPLETION [XX]	

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

9/8/03: PLUG BACK AS FOLLOWS:

1. NU BOPE. Pulled packer and tubing.
2. Set 7" C.I.B.P. at 10395' and dumped 35' cement on top.
3. Perforate Canyon 10200'-05' w/4jspf. Ran tubing and packer to 10133' and swabbed well dry with no show.
4. Set 7" C.I.B.P. at 10160' and dumped 35' cement on top.
5. Perforated Canyon 9862'-66' w/4jspf. Ran tubing and packer to 9790' and swabbed well dry with slight gas show.
6. Acidized with 1000 gals 15% HCL. Swabbed back load. Put well on test.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Marc Wise TITLE President DATE 9/22/03

Type or print name Marc Wise Telephone No. 505-392-6950

(This space for State use)

APPPROVED BY Tim W. Gum TITLE District Supervisor DATE SEP 27 2003

Conditions of approval, if any:

Submit to Appropriate
District Office
State Lease – 6 copies
Fee Lease – 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

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-105
Revised 1-1-89

WELL API NO. 30-015-20829

5. Indicate Type of Lease STATE [XX] FEE [ ]

6. State Oil & Gas Lease No. K-6290

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL [ ] GAS WELL [X] DRY [ ] OTHER

b. Type of Completion: NEW WELL [ ] WORK OVER [ ] DEEPEN [X] PLUG BACK [ ] DIFF RESVR [ ] OTHER

7. Lease Name or Unit Agreement Name: AIRPORT GRACE

2. Name of Operator: Lynx Petroleum Consultants, Inc.

8. Well No. 1

3. Address of Operator: P.O. Box 1708, Hobbs, NM 88241

9. Pool name or Wildcat: CARLSBAD, CANYON, SOUTH

SEP 2003 RECEIVED OCD - ARTESIA

4. Well Location
Unit Letter K : 1980 Feet From The South Line and 2164 Feet From The West Line

Section 36 Township 22S Range 26E NMPM Eddy County

10. Date Spudded	11. Date T.D. Reached	12. Date Compl. (Ready to Prod.)	13. Elevations (DF & RKB, RT, GR, etc.)	14. Elev. Casinghead
3/28/73	5/6/73	9/18/03	3221'GR	

15. Total Depth	16. Plug Back T.D.	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By	Rotary Tools	Cable Tools
11956'	10125'			X	

19. Producing Interval(s), of this completion - Top, Bottom, Name: 9862'-66' Canyon

20. Was Directional Survey Made: No

21. Type Electric and Other Logs Run: GR-CCL

22. Was Well Cored: No

23. **CASING RECORD** (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	48#-72#	358'	17 1/2"	375 sxs circ. 100	0
9 5/8"	36#-40#	5391'	12 1/4"	1650 sxs	0
7"	23#-32#	11956'	8 3/4"	680 sxs	0

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 7/8"	9790'	9790'

26. Perforation record (interval, size, and number)
10200'-05' 4jspf (Plugged) 24 holes
9862'-66' 4jspf 20 holes

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
9862'-66'	1000 gals 15% HCL

28. **PRODUCTION**

Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)	Well Status (Prod. or Shut-in)
9/18/03	Flowing	Producing

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
9/21/03	24	Open		0	126	0	NA

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)
200 psig	0 psig		0	126	0	

29. Disposition of Gas (Sold, used for fuel, vented, etc.): Sold

Test Witnessed By: Marc Wise

30. List Attachments: GR-CCL log

31. *I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief*

Signature [signature] Printed Name Marc Wise Title President Date 9/22/03

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-104
Revised March 25, 1999

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] Operator name and Address	[3] OGRID Number
Lynx Petroleum Consultants, Inc. P.O. Box 1708 Hobbs, NM 88241	13645
	[5] Reason for Filing Code: RC Effective 9/18/03

[4] API Number	[5] Pool Name	[6] Pool Code
30-015-20829	CARLSBAD, CANYON, SOUTH	73880

[7] Property Code	[8] Property Name	[9] Well Number
32018	Airport Grace	1

II. [10] Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
K	36	22S	26E		1980	South	2164	West	Eddy

[11] Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date
S	F	9/18/03			

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] POD	[21] O/G	[22] POD ULSTR Location and Description
015694	Navajo Refining	1021110	O	K-36-22S-26E Tank
036785	Duke Energy	1021130	G	K-36-22S-26E Meter

SEP 2003
RECEIVED
OCD - ARTESIA

IV. Produced Water

[23] POD	[24] POD ULSTR Location and Description
1021150	K-36-22S-26E Tank

V. Well Completion Data

[25] Spud Date	[26] Ready Date	[27] TD	[28] PBTD	[29] Perforations	[30] DHC, MC
3/28/73	9/18/03	11956'	10125'	9862'-66'	

[31] Hole Size	[32] Casing & Tubing Size	[33] Depth Set	[34] Sacks Cement
17 1/2"	13 3/8"	358'	375 sxs Circ.
12 1/4"	9 5/8"	5391'	1650 sxs
8 3/4"	7"	11956'	680 sxs
	2 7/8"	9790'	

VI. Well Test Data

[35] Date New Oil	[36] Gas Delivery Date	[37] Test Date	[38] Test Length	[39] Tbg. Pressure	[40] Csg. Pressure
9/18/03	9/18/03	9/21/03	24 hrs	200 psig	0 psig
[41] Choke Size	**[42] Oil**	**[43] Water**	**[44] Gas**	**[45] AOF**	**[46] Test Method**
Open	0	0	126		Flow Meter

[47] I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: Marc Wise

Printed name: Marc Wise

Title: President

Date: 9/22/03 Phone: 505-392-6950

OIL CONSERVATION DIVISION

Approved by: Tim W. Gum

Title: District Supervisor

Approval Date: SEP 27 2003

[48] If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature	Printed Name	Title	Date

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-103
Revised March 25, 1999

WELL API NO. 30-105-20829

5. Indicate Type of Lease STATE [X] FEE [ ]

6. State Oil & Gas Lease No. K-6290

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name: AIRPORT GRACE

1. Type of Well: Oil Well [ ] Gas Well [X] Other

2. Name of Operator: Lynx Petroleum Consultants, Inc

8. Well No. 1

3. Address of Operator: P.O. Box 1708, Hobbs, NM 88241

9. Pool name or Wildcat: CARLSBAD,CANYON,SOUTH

4. Well Location

Unit Letter K : 1980 feet from the South line and 2164 feet from the West line

Section 36 Township 22S Range 26E NMPM Eddy County

10. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 3221' GR

SEP 2003 RECEIVED OCD - ARTESIA

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 [ ]	MULTIPLE COMPLETION [ ]	CASING TEST AND CEMENT JOB [ ]	
OTHER: [ ]		OTHER: RECOMPLETION [X]	

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

9/8/03: PLUG BACK AS FOLLOWS:

1. NU BOPE. Pulled packer and tubing.
2. Set 7" C.I.B.P. at 10395' and dumped 35' cement on top.
3. Perforate Canyon 10200'-05' w/4jspf. Ran tubing and packer to 10133' and swabbed well dry with no show.
4. Set 7" C.I.B.P. at 10160' and dumped 35' cement on top.
5. Perforated Canyon 9862'-66' w/4jspf. Ran tubing and packer to 9790' and swabbed well dry with slight gas show.
6. Acidized with 1000 gals 15% HCL. Swabbed back load. Put well on test.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Marc Wise TITLE President DATE 9/22/03

Type or print name Marc Wise Telephone No. 505-392-6950

(This space for State use)

APPPROVED BY ORIGINAL SIGNED BY TIM W. GUM DISTRICT II SUPERVISOR TITLE DATE SEP 27 2003

Conditions of approval, if any:

Submit to Appropriate
District Office
State Lease – 6 copies
Fee Lease – 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

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-105
Revised 1-1-89

WELL API NO. 30-015-20829

5. Indicate Type of Lease STATE [XX] FEE [ ]

6. State Oil & Gas Lease No. K-6290

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL [ ] GAS WELL [X] DRY [ ] OTHER

b. Type of Completion: NEW WELL [ ] WORK OVER [ ] DEEPEN [X] PLUG BACK [ ] DIFF RESVR [ ] OTHER

7. Lease Name or Unit Agreement Name: AIRPORT GRACE

2. Name of Operator: Lynx Petroleum Consultants, Inc

8. Well No. 1

3. Address of Operator: P.O. Box 1708, Hobbs, NM 88241

9. Pool name or Wildcat: CARLSBAD, CANYON, SOUTH

4. Well Location
Unit Letter K : 1980 Feet From The South Line and 2164 Feet From The West Line

Section 36 Township 22S Range 26E NMPM Eddy County

SEP 2003 RECEIVED OCD-ARTESIA

10. Date Spudded	11. Date T.D. Reached	12. Date Compl. (Ready to Prod.)	13. Elevations (DF & RKB, RT, GR, etc.)	14. Elev. Casinghead
3/28/73	5/6/73	9/18/03	3221'GR	

15. Total Depth	16. Plug Back T.D.	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By	Rotary Tools	Cable Tools
11956'	10125'			X	

19. Producing Interval(s), of this completion - Top, Bottom, Name: 9862'-66' Canyon

20. Was Directional Survey Made: No

21. Type Electric and Other Logs Run: GR-CCL

22. Was Well Cored: No

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	48#-72#	358'	17 1/2"	375 sxs circ. 100	0
9 5/8"	36#-40#	5391'	12 1/4"	1650 sxs	0
7"	23#-32#	11956'	8 3/4"	680 sxs	0

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 7/8"	9790'	9790'

26. Perforation record (interval, size, and number)
10200'-05' 4jspf (Plugged) 24 holes
9862'-66' 4jspf 20 holes

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
9862'-66'	1000 gals 15% HCL

28. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)	Well Status (Prod. or Shut-in)
9/18/03	Flowing	Producing

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
9/21/03	24	Open		0	126	0	NA

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)
200 psig	0 psig		0	126	0	

29. Disposition of Gas (Sold, used for fuel, vented, etc.): Sold

Test Witnessed By: Marc Wise

30. List Attachments: GR-CCL log

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature Marc Wise Printed Name Marc Wise Title President Date 9/22/03

5

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-104
Revised March 25, 1999

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] Operator name and Address	[3] OGRID Number
Lynx Petroleum Consultants, Inc. P.O. Box 1708 Hobbs, NM 88241	13645
	[3] Reason for Filing Code: RC Effective 9/18/03

[4] API Number	[5] Pool Name	[6] Pool Code
30-015-20829	CARLSBAD, CANYON, SOUTH	73880

[7] Property Code	[8] Property Name	[9] Well Number
32018	Airport Grace	1

II. [10] Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
K	36	22S	26E		1980	South	2164	West	Eddy

[11] Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date
S	F	9/18/03			

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] POD	[21] O/G	[22] POD ULSTR Location and Description
015694	Navajo Refining	~~1021110~~ 28/29/76	O	K-36-22S-26E Tank
036785	Duke Energy	~~1021130~~ 28/29/77	G	K-36-22S-26E Meter

SEP 2003
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OCD - ARTESIA

IV. Produced Water

[23] POD	[24] POD ULSTR Location and Description
1021150	K-36-22S-26E Tank

V. Well Completion Data

[25] Spud Date	[26] Ready Date	[27] TD	[28] PBTD	[29] Perforations	[30] DHC, MC
3/28/73	9/18/03	11956'	10125'	9862'-66'	

[31] Hole Size	[32] Casing & Tubing Size	[33] Depth Set	[34] Sacks Cement
17 1/2"	13 3/8"	358'	375 sxs Circ.
12 1/4"	9 5/8"	5391'	1650 sxs
8 3/4"	7"	11956'	680 sxs
	2 7/8"	9790'	

VI. Well Test Data

[35] Date New Oil	[36] Gas Delivery Date	[37] Test Date	[38] Test Length	[39] Tbg. Pressure	[40] Csg. Pressure
9/18/03	9/18/03	9/21/03	24 hrs	200 psig	0 psig
[41] Choke Size	**[42] Oil**	**[43] Water**	**[44] Gas**	**[45] AOF**	**[46] Test Method**
Open	0	0	126		Flow Meter

[47] I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: Marc Wise

Printed name: Marc Wise

Title: President

Date: 9/22/03 Phone: 505-392-6950

OIL CONSERVATION DIVISION

Approved by: ORIGINAL SIGNED BY TIM W. GUM
DISTRICT II SUPERVISOR

Title:

Approval Date: SEP 27 2003

[48] If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature	Printed Name	Title	Date

5

Submit to Appropriate District Office
State Lease – 6 copies
Fee Lease – 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240
DISTRICT II
P.O. Drawer DD, Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

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-105
Revised 1-1-89

WELL API NO. 30-015-20829
5. Indicate Type of Lease STATE [X] FEE [ ]
6. State Oil & Gas Lease No. K-6290

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL [ ] GAS WELL [X] DRY [ ] OTHER
b. Type of Completion: NEW WELL [ ] WORK OVER [ ] DEEPEN [X] PLUG BACK [ ] DIFF RESVR [ ] OTHER

7. Lease Name or Unit Agreement Name: AIRPORT GRACE

2. Name of Operator: Lynx Petroleum Consultants, Inc
8. Well No. 1
3. Address of Operator: P.O. Box 1708, Hobbs, NM 88241
9. Pool name or Wildcat: CARLSBAD, CANYON, SOUTH

RECEIVED SEP 2003 OCD - ARTESIA

4. Well Location
Unit Letter K : 1980 Feet From The South Line and 2164 Feet From The West Line
Section 36 Township 22S Range 26E NMPM Eddy County

10. Date Spudded	11. Date T.D. Reached	12. Date Compl. (Ready to Prod.)	13. Elevations (DF & RKB, RT, GR, etc.)	14. Elev. Casinghead
3/28/73	5/6/73	9/18/03	3221'GR	

15. Total Depth	16. Plug Back T.D.	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By	Rotary Tools	Cable Tools
11956'	10125'			X	

19. Producing Interval(s), of this completion - Top, Bottom, Name: 9862'-66' Canyon
20. Was Directional Survey Made: No
21. Type Electric and Other Logs Run: GR-CCL
22. Was Well Cored: No

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	48#-72#	358'	17 1/2"	375 sxs circ. 100	0
9 5/8"	36#-40#	5391'	12 1/4"	1650 sxs	0
7"	23#-32#	11956'	8 3/4"	680 sxs	0

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 7/8"	9790'	9790'

26. Perforation record (interval, size, and number) 10435-10560
10200'-05' 4jspf (Plugged) 24 holes
9862'-66' 4jspf 20 holes

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
9862'-66'	1000 gals 15% HCL

28. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)	Well Status (Prod. or Shut-in)
9/18/03	Flowing	Producing

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
9/21/03	24	Open		0	126	0	NA

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)
200 psig	0 psig		0	126	0	

29. Disposition of Gas (Sold, used for fuel, vented, etc.): Sold
Test Witnessed By: Marc Wise
30. List Attachments: GR-CCL log

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature [signature] Printed Name Marc Wise Title President Date 9/22/03

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104A
March 19, 2001

Submit 1 copy of the final affected wells list along with 1 copy of this form per number of wells on that list to appropriate District Office

Change of Operator

Previous Operator Information:		New Operator Information:	
		Effective Date:	February 1, 2004
OGRID:	13645	New Ogrid:	
Name:	LYNX PETROLEUM CONSULTANTS	New Name:	SANDEL OPERATING COMPANY
Address:	P.O. BOX 1708	Address:	P O BOX 1917
Address:		Address:	
City, State, Zip:	HOBBS, NM 88241-1708	City, State, Zip:	HUNTSVILLE TX 77342-1917

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information on this form and the attached list of wells is true and complete to the best of my knowledge and belief.

New Operator Signature: J. Byron Sandel

Printed name: J. Byron Sandel

Title: President

Date: 2-5-04 Phone: 936-291-1002

RECEIVED
MAR 19 2004
OCD-ARTESIA

Previous operator complete below:

Previous Operator: LYNX PETROLEUM CONSUL.

Previous OGRID: 13645

Signature: Marc Wise

Printed Name: MARC WISE

NMOCD Approval

Signature: Leon W. Gross

Printed Name: District Supervisor

District:

Date: MAR 23 2004

30-015-20829

190-25

District I
1625 N. French Dr., Hobbs, NM
88240

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-104A
Permit 15611

Change of Operator

Previous Operator Information

OGRID:	226685
Name:	SANDEL OPERATING COMPANY
Address:	1300 11TH STREET
Address:	
City, State, Zip:	HUNTSVILLE, TX K

New Operator Information

Effective Date:	09/01/2005
OGRID:	233545
Name:	BOLD ENERGY, L.P.
Address:	415 W Wall
Address:	Suite 500
City, State, Zip:	Midland, TX 79701

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information on this form and the certified list of wells is true to the best of my knowledge and belief.

Previous Operator

Signature: J. Byron Sandel
Printed Name: J. Byron Sandel
Title: President
Date: 9-15-05 Phone: 936-291-1002

New Operator

Signature: Joseph Castle
Printed Name: Joseph Castillo
Title: President
Date: 9-15-05 Phone: 432-686-1100

NMOCD Approval

Electronic Signature: Chris Williams, District I
Electronic Signature: Tim Gum, District II
Date: September 29, 2005

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

RECEIVED
JUN 05 2006
OCD-ARTESIA

Form C-101
May 27, 2004

Submit to appropriate District Office

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

[1] Operator Name and Address	[2] OGRID Number
Nabors Well Service LTD PO Box 5028 Hobbs, New Mexico 88241	170966
	[3] API Number 30 – 015-20829

[5] Property Code	[7] Property Name	[6] Well No
	Airport Grace	# 1.

[9] Proposed Pool 1	[10] Proposed Pool 2
SWD - Delaware	

[7] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South lin	Feet from the	East/West line	County
K	36	22S	26E		1980	Southe	2164	West	Eddy

[8] Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Additional Well Information

[11] Work Type Code	[12] Well Type Code	[13] Cable/Rotary	[14] Lease Type Code	[15] Ground Level Elevation
P	S	R	S	3221
[16] Multiple	**[17] Proposed Depth**	**[18] Formation**	**[19] Contractor**	**[20] Spud Date**
N	5300	Delaware	Nabors Well Service LTD	ASAP

Depth to Groundwater	Distance from nearest fresh water well	Distance from nearest surface water
115'	1000	Greater than 1 mile

Pit: Liner: Synthetic ☐ ____mils thick Clay ☐ Pit Volume:____bbls Drilling Method:

Closed-Loop System ☐ Fresh Water ☐ Brine X ☐ Diesel/Oil-based ☐ Gas/Air ☐

[21] Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17	13 3/8"	48# & 72#	358	375 Class C	In Place-Surface
12 1/4	9 5/8"	36# & 40#	5391	1650	In Place -Surface
8 3/4	7	23# & 32#	11956	680	In Place -7960

22 Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

All well fluids will be circulated to steel pit. No earthen pits will be constructed.

Please see attached plug back procedure...

[23] I hereby certify that the information given above is true and complete to the best of my knowledge and belief. **I further certify that the drilling pit will be constructed according to NMOCD guidelines X☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.**

Printed name: Billy E. Prichard

Title: Agent

E-mail Address: shabillron01@warpdriveonline.com

Date: Phone: 505-390-9100

OIL CONSERVATION DIVISION

Approved by: BRYAN G. ARRANT

Title: DISTRICT II GEOLOGIST

Approval Date: JUN 07 2006 Expiration Date: JUN 07 2007

Conditions of Approval Attached ☑

Arrant, Bryan, EMNRD

From: Arrant, Bryan, EMNRD
Sent: Wednesday, June 07, 2006 11:30 AM
To: 'shabillron@warpdriveonline.com'
Subject: Airport Grace # 1

Billy,

Please provide the following information so that I can further review this application. Please call if you have any ? s.
Thanks,
Bryan
505-748-1283 ext. 103
I will need a detailed h2s contingency plan that meets all the requirements of submitting information in regards to NMOCD Rule 118(D)(2).
You can go to other wells recently drilled in in and @ Carlsbad for more information.

I will need the list of residences/businesses (names phone numbers, etc.) in an AOR @ 1/3 mile from the well head.

I need the distance to the nearest public dwelling.

District I
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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 October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-015-20829	96100	SWD; Delaware

[4] Property Code	[5] Property Name	[6] Well Number
	Airport Grace	#1

[7] OGRID No.	[8] Operator Name	[9] Elevation
170966	Nabors Well Service LTD	3221

[10] Surface Location

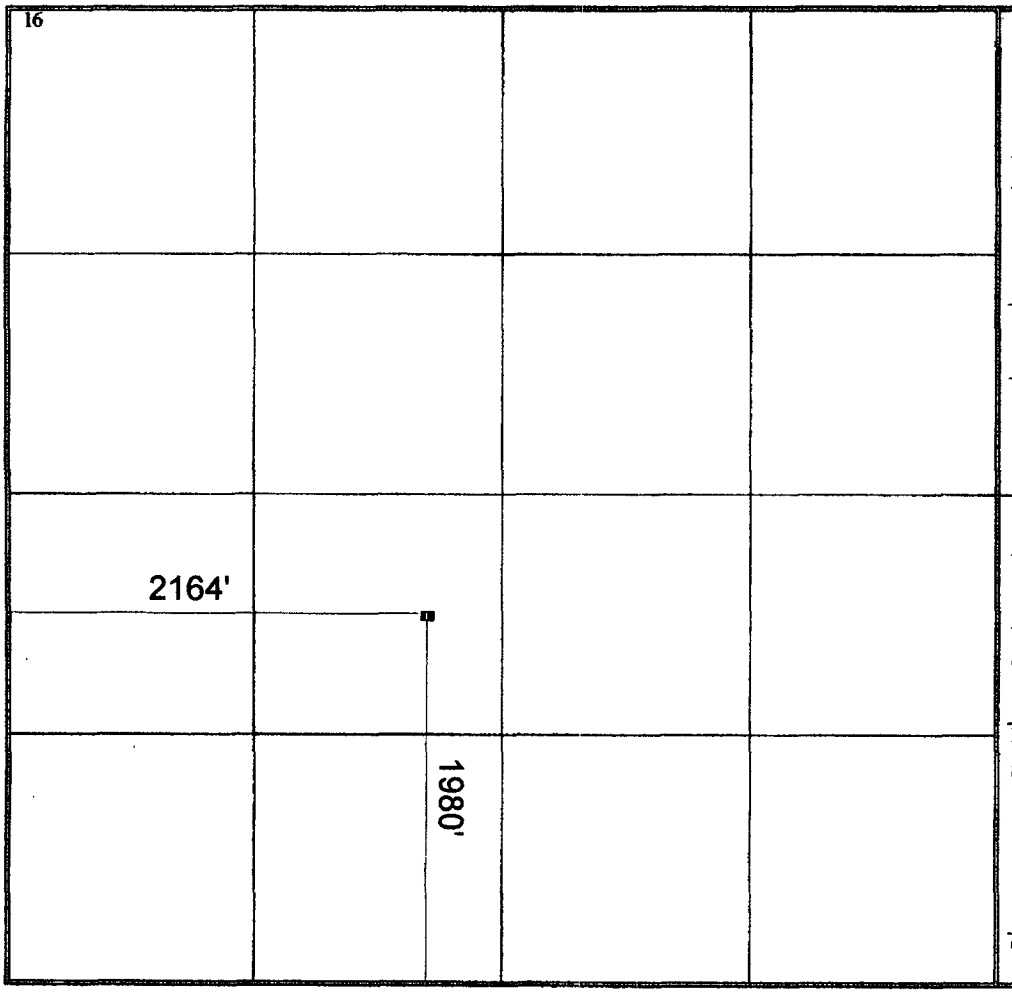
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	36	22S	26E		1980	South	2164	West	Eddy

[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
40			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



[17] OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Billy E. Prichard 4/24/06
Signature Date

Billy E. Prichard
Printed Name

[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:

See original survey dated 01/06/1973

Certificate Number

C101 Application to Drill,Re-enter, Deepen,Plugback or Add a Zone
Airport Grace # 1
API # 30-015-20829
1980FSL X 2164 FWL
UL "K" Section 36, T22S, R26E

5000 psi Hydraulical double BOP equipped with pipe rams and blind rams will be used during the operations.
10# brine will be used as kill and drilling fluid
All well fluids will be circulated to steel pit. No earthen pits will be constructed.
Well is currently Carlsbad, Canyon, South Gas Pool 9862-9866ft
Nabors Well Service intends to plug back with a CIBP set at 9810ft, Capped with 35' of cement by dump bailer
Cement will be circulated behind the 7" casing with 50ft of cement above the intermediate casing shoe at 5391ft remaining in the 7" casing.
Nabors will selectively test the lower, middle and upper Delaware for disposal
Lower Zone 4512-5084ft with a pressure limit of 902psig
Middle Zone 3544-4153ft with a pressure limit of 708psig
Upper Zone 1992-2892ft with a pressure limit of 398psig
Nabors will test the zones for disposal rate and pressure before moving up hole to test the next interval.
Applications are being made to the NMOCD engineering bureau for SWD permit
Applications are being made to the City of Carlsbad for permit to perform the above work and operated SWD well and facility in the City Limits of Carlsbad, New Mexico
No work will be performed until NMOCD approved SWD permit is received
No work will be performed until City of Carlsbad permit is approved

Well: AIRPORT GRACE **No.:** 001
Operator: Nabors Well Service LTD
API: 3001520829
1980 FSL X 2164 FWL
Township: 22.0S **Range:** 26E
Section: 36 **Unit:** K
Land Type: S **County:** Eddy **True Vertical Depth:** 11956

Well was spudded 3/28/1973 by Michael P. Grace as a Morrow test
Cement volumes and tops were taken and calculated from NMOCD records
Well is currently a non-producing Carlsbad, Canyon, South Gas Well
Please see attached wellbore schematic for available well data
Well is located on Fee surface and state minerals with in the City limits of Carlsbad,NM

Spud 3/28/1973
13 3/8" 48# &72# casing was set at 358ft in a 17" hole
Cemented with 375 sacks of Class "C" cement with 2% CaCl
Cement circulated to the surface

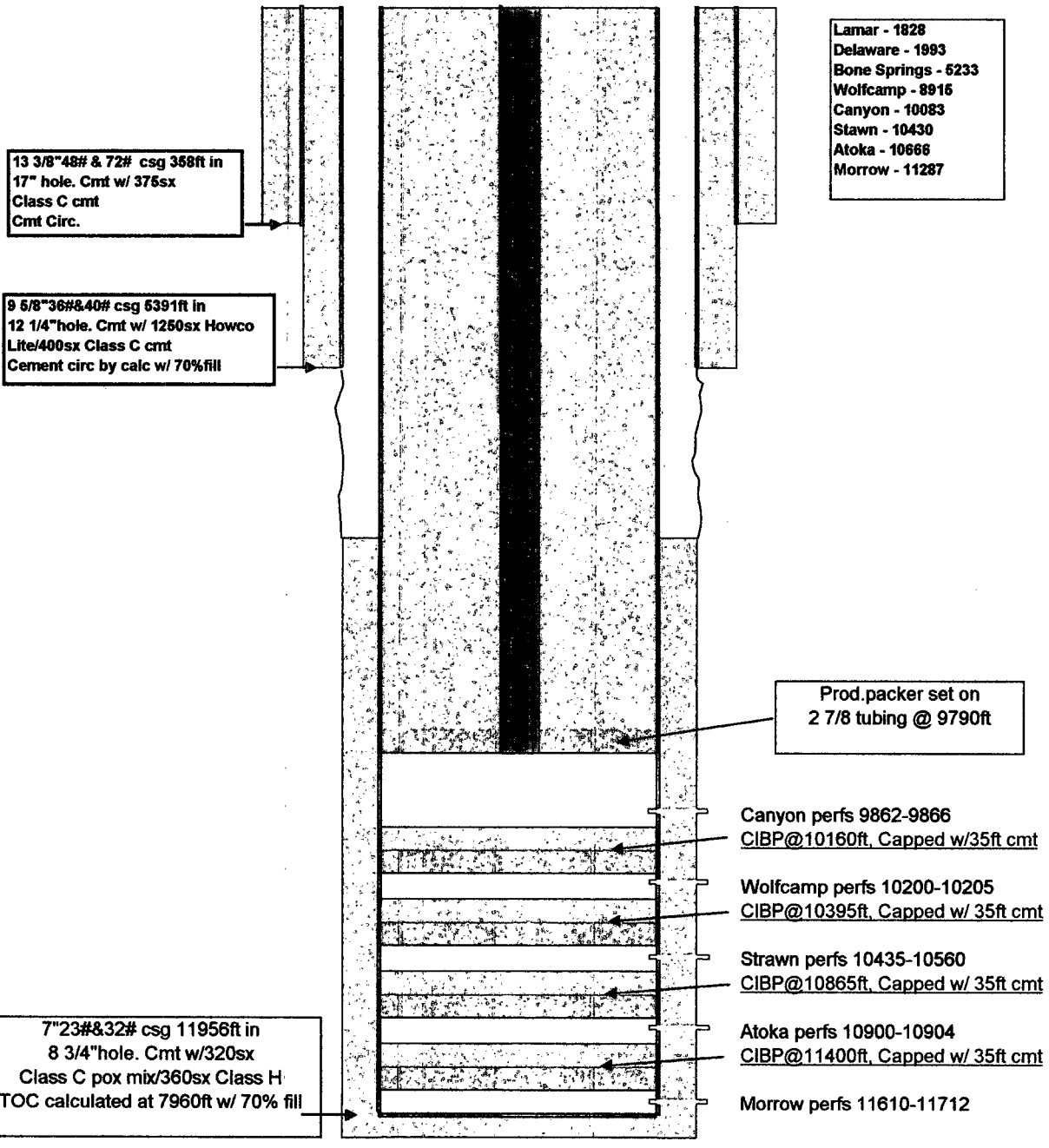
9 5/8" 36# & 40#casing was set at 5391ft in a 12 ¼" hole
Cemented with 1250 sacks of Halliburton lite and 400 sacks Class "C"
No record in well file of cement circulating
Cement volumes sufficient to circulate at 70% fill

7" 23# & 32# casing was set at 11956ft in a 8 ¾" hole
Cemented with 320 sacks of Class "C" 50-50 poz mix Followed by 360 sacks Class "H" cement.
Calculated TOC at 7960ft using 70% fill

Morrow Perforations 11610 -11712ft
Cast iron bridge plug set at 11400ft, capped with 35ft of cement
Atoka Perforations 10900 -10904ft
Cast iron bridge plug set at 10865ft, capped with 35ft of cement
Strawn Perforations 10435 – 10564ft
Cast iron bridge plug set at 10395ft, capped with 35ft of cement
Wolfcamp Perforations 10200 – 10205ft
Cast iron bridge plug set at 10160ft, capped with 35ft of cement
Canyon Perforations 9862 – 9866ft

Airport Grace # 1
API 30-015-20829
1980 FSL X 2164 FWL
UL"K", Section 36, T22S, R26E
Eddy County, New Mexico
Prior to Conversion to SWD

Spud 3/28/1973



Lamar - 1828
Delaware - 1993
Bone Springs - 5233
Wolfcamp - 8915
Canyon - 10083
Stawn - 10430
Atoka - 10666
Morrow - 11287

13 3/8"48# & 72# csg 358ft in
17" hole. Cmt w/ 375sx
Class C cmt
Cmt Circ.

9 5/8"36#&40# csg 5391ft in
12 1/4"hole. Cmt w/ 1250sx Howco
Lite/400sx Class C cmt
Cement circ by calc w/ 70%fill

Prod.packer set on
2 7/8 tubing @ 9790ft

Canyon perfs 9862-9866
CIBP@10160ft, Capped w/35ft cmt

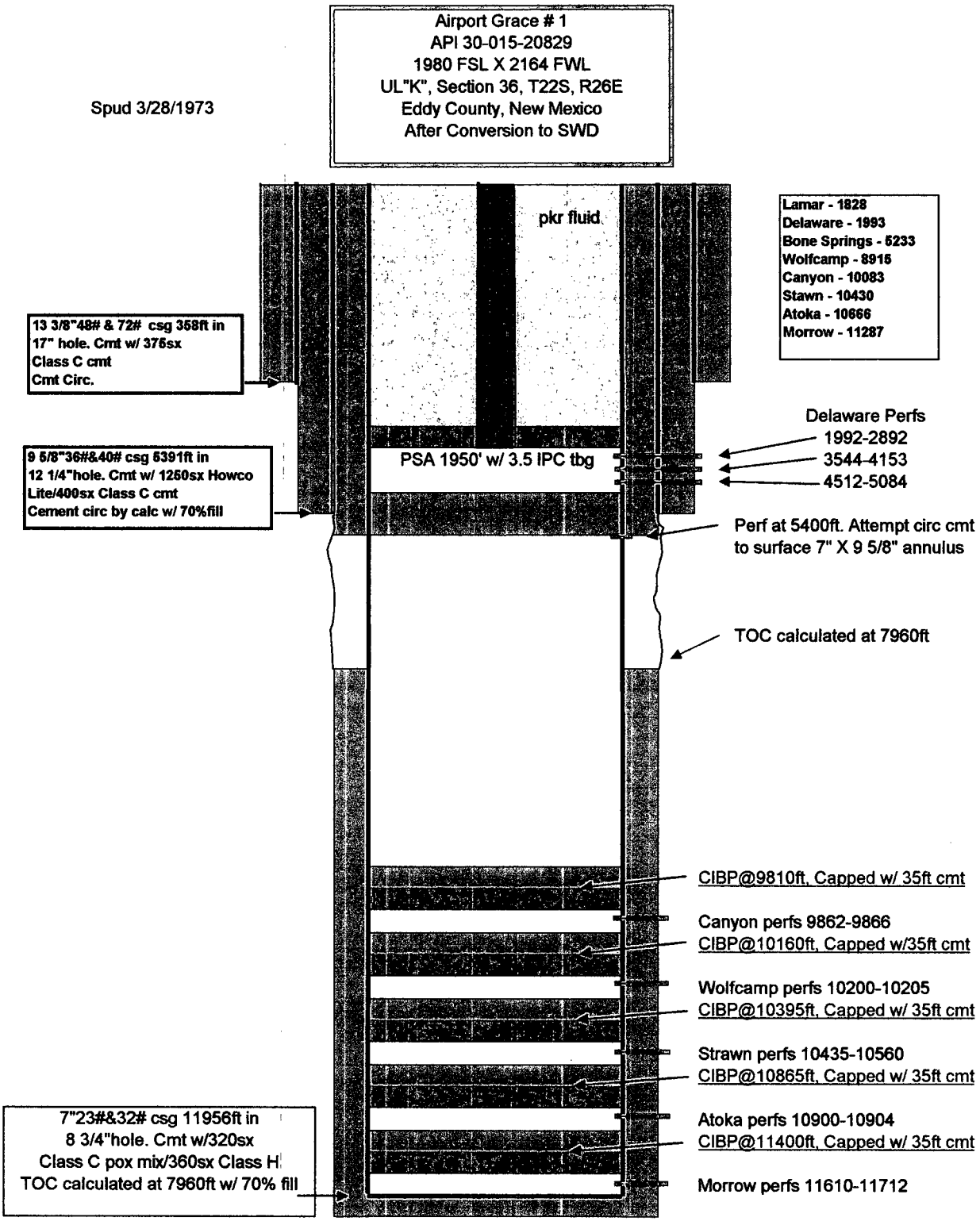
Wolfcamp perfs 10200-10205
CIBP@10395ft, Capped w/ 35ft cmt

Strawn perfs 10435-10560
CIBP@10865ft, Capped w/ 35ft cmt

Atoka perfs 10900-10904
CIBP@11400ft, Capped w/ 35ft cmt

Morrow perfs 11610-11712

7"23#&32# csg 11956ft in
8 3/4"hole. Cmt w/320sx
Class C pox mix/360sx Class H
TOC calculated at 7960ft w/ 70% fill


Airport Grace # 1
API 30-015-20829
1980 FSL X 2164 FWL
UL"K", Section 36, T22S, R26E
Eddy County, New Mexico
After Conversion to SWD
Spud 3/28/1973
pkr fluid
Lamar - 1828
Delaware - 1993
Bone Springs - 5233
Wolfcamp - 8915
Canyon - 10083
Stawn - 10430
Atoka - 10666
Morrow - 11287
13 3/8"48# & 72# csg 358ft in
17" hole. Cmt w/ 375sx
Class C cmt
Cmt Circ.
9 5/8"36#&40# csg 5391ft in
12 1/4"hole. Cmt w/ 1250sx Howco
Lite/400sx Class C cmt
Cement circ by calc w/ 70%fill
PSA 1950' w/ 3.5 IPC tbg
Delaware Perfs
1992-2892
3544-4153
4512-5084
Perf at 5400ft. Attempt circ cmt
to surface 7" X 9 5/8" annulus
TOC calculated at 7960ft
CIBP@9810ft, Capped w/ 35ft cmt
Canyon perfs 9862-9866
CIBP@10160ft, Capped w/35ft cmt
Wolfcamp perfs 10200-10205
CIBP@10395ft, Capped w/ 35ft cmt
Strawn perfs 10435-10560
CIBP@10865ft, Capped w/ 35ft cmt
Atoka perfs 10900-10904
CIBP@11400ft, Capped w/ 35ft cmt
Morrow perfs 11610-11712
7"23#&32# csg 11956ft in
8 3/4"hole. Cmt w/320sx
Class C pox mix/360sx Class H
TOC calculated at 7960ft w/ 70% fill

BOLD ENERGY, LP
415 W. WALL, SUITE 500
MIDLAND, TEXAS 79701

MAIN: 432-686-1100
FAX: 432-686-1104

April 26, 2006

Mr. Bill E. Prichard
P.O. Box 1428
Hobbs, New Mexico 88241

Subject: Airport Grace #1, South Carlsbad Field, Eddy County, New Mexico

Dear Mr. Prichard:

This letter is to confirm for you that Bold Energy, LP and Nabors Well Service have entered into an agreement whereby Bold Energy will sell the Airport Grace #1 (wellbore only) to Nabors Well Service in exchange for a nominal fee and the guarantee of well services. The wellbore is being sold to Nabors for shallow rights only to convert this wellbore to a salt water disposal well.

Please feel free to contact me at the above number or address if there are any questions.

Sincerely for Bold Energy, LP,

Joseph Castillo
President

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., 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 and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
May 27, 2004

WELL API NO.	**30-015-20829**
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil & Gas Lease No.	

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SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name: **Airport Grace**	
1. Type of Well: Oil Well ☐ Gas Well ☐ Other	8. Well No. **2**
2. Name of Operator **Bold Energy, LP**	9. OGRID Number
3. Address of Operator **415 W. Wall, Ste. 500, Midland, TX. 79701**	10. Pool name or Wildcat

4. Well Location
Unit Letter **K** : **1980** feet from the **South** line and **2164** feet from the **West** line
Section **36** Township **22S** Range **26E** NMPM County **Eddy**

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* **3221**

Pit or Below-grade Tank Application ☐ or Closure ☐
Pit type _____ **Depth to Groundwater** _____ **Distance from nearest fresh water well** _____ **Distance from nearest surface water** _____
Pit Liner Thickness: _____ **mil** **Below-Grade Tank: Volume** _____ **bbls; Construction Material** _____

12. 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.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPLETION	☐	CASING/CEMENT JOB	☐		
OTHER:	☐			OTHER:	☐		

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Proposal to Plug and abandonment

1. **Set 7" CICB @ 9800 w/ 100' cement on top (25 sx)**
2. **Circulate hole with 9.5 mud.**
3. **Cut and POH w/ +/- 5400' 7" casing.**
4. **Spot ~~100'~~ @ 5450-~~5350~~ WOC and Tag. (45 sx)** 5450' - 4077'
5. **Spot 100' plug @ base of salt 1550-1450 (45 sx)** - TAG.
6. **Cut and POH w +/- 360' 9 5/8 casing**
7. **Spot 125 sx plug @ 500-300** - TAG.
8. **Spot surface plug, Cut off wellhead, Install Dry Hole Marker. (10 sx).** 60'

24 Hr. WOC TAG.

* If CSG. Not Pulled.
* Perf. + Sqz. @ 8857' - 100' cmt plug. In + Out. 8947' - 8847' WOC TAG.
* Perf + Sqz. @ 6820' - 100' cmt plug. In + Out 6870' - 6770' WOC TAG.
* Perf. + Sqz. @ 1553' - 100' cmt Plug In + Out 1943' - 2043' WOC TAG.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Loyd D. Brooks TITLE **Agent** DATE **1/8/07**

Type or print name E-mail address: Telephone No.

For State Use Only

APPROVED BY _____ TITLE _____ DATE 1/11/07

Conditions of Approval (if any):

Form provided by Forms On-A-Disk · (214) 340-9429 · FormsOnADisk.com

BOLD ENERGY, LP — Airport Grace #2

WI		NRI	
Elevation		API	
KB		Surface Location	
Meas. TD		Legal Description	
TVD		Field	
PBD		County	
Zone		State	

Casing	Hole	Weight	Grade	Depth	Burst	80% Burst	TOC
Candidate:							

Date	Event
	Spud
	TD'd
	Perforate
	Fracd down tubing w/ gal Super Emulsifrac + lbs 20/40 sand
	and mesh. Bdown @ bpm at psi. ISIP psi.
	min SIP psi. BLTR bbls
	Swabbed ft & ran fbrs. Oil flow rates of bfph/d at times when swabbing
	Perforated
	Swabbed. Flowed at bfph/d.
	Ran tbg.
	Swab well to kick off flowing.
	Swab for days. Got swab hung up in SLV. Fished - uncertain if recovered
	Swap out to tubing
	Swabbed & lost sandline, sinker bars, jars, mandrels
	Pull CA and run casing inspection log
	Set CIBP at with cmt cap
	Perforated
	Perforated N2 breakdown & flowed
	bpm at psi. ISIP psi. Swabbed
	Perforated
	Acidized w gal 7½ MorFE + N2, 2 BPM at psi. ISIP psi.
	Set CIBP at with cmt cap
	Acidized w gal 7½ NeFe HCl, 2 BPM at psi. ISIP psi
	Jetted with N2. Cutlined tubing and swabbed
	Fracd placing lbs prop before screenout bpm at psi. ISIP psi.
	min SIP psi. Flowed & died
	"J" jetting operation. Bridge at . No final entry after jetting.
	bdown w/ KCl at bpm at psi. ISIP psi. swabbed
	Run tracer survey
	Perforated
	Dropped gun & fish at
	"J" jetting operation. Spotted acid and displaced w/ N2.
	"J" jetting operation. Pumped gal 7½ HCl at bpm acid & bpm N2.
	ISIP psi. psi. SIP psi.
	Set CIBP at with cmt.
	Perforate Avalon 10,900' - 10,904' 9 holes.
	Set CIBP at with cmt.
	Perforate Strawn - 10,560' w/ gal 15% NEFE
	Set CIBP at with cmt. Perforated Canyon - 9,866' - 9,866' 20 holes
	Set CIBP at with cmt. Perforated Canyon - 9,862' - 9,866' 24 holes

Not currently producing. P & A candidate.

WOC 24 Hr. TAG.

500' - 300' TAG.

TAG.

1550' - 1450' TAG.

Perf & Sqz. 1593' - 100' TAG.
cmt plg. 1543' - 2073'.
TAG.
5450' - 4077'.

Perf & Sqz @ 6820' TAG.
100' cmt plg. In & out. 6870' - 6770'.

* Perf. & Sqz. @ 8897' In & out
100' cmt plg. 8547' - 8847'. TAG.

RECEIVED
OCD - ARTESIA
2009

30-015-20829-00-00 **AIRPORT GRACE No. 001**

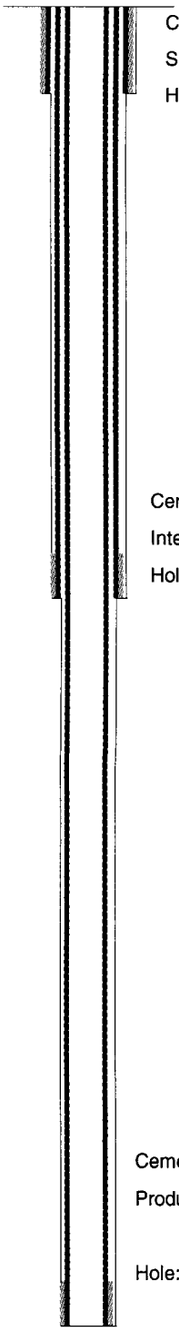
Company Name: BOLD ENERGY, L.P.

Location: Sec: 36 T: 22S R: 26E Spot:

Lat: 32.3465680154881 Long: -104.247992442061

Property Name: AIRPORT GRACE

County Name: Eddy



Cement from 358 ft. to surface

Surface: 13.375 in. @ 358 ft.

Hole: 17.5 in. @ 358 ft.

Cement from 5391 ft.

Intermediate: 9.625 in. @ 5391 ft.

Hole: 12.25 in. @ 5391 ft.

Cement from 11956 ft.

Production: 7 in. @ 11956 ft.

Hole: 8.75 in. @ 11956 ft.

TD: **TVD:** 11956 **PBTD:**

String Information

String	Bottom (ft sub)	Diameter (inches)	Weight (lb/ft)	Length (ft)
HOL1	358	17.5		
SURF	358	13.375	48	
HOL2	5391	12.25		
I1	5391	9.625	36	
HOL3	11956	8.75		
PROD	11956	7	23	

Cement Information

String	BOC (ft sub)	TOC (ft sub)	Class	Sacks
I1	5391		C	1650
PROD	11956		C	680
SURF	358	0	C	375

Perforation Information

Top (ft sub)	Bottom (ft sub)	Shts/Ft	No Shts	Dt Sqz
9862	10560			
10435	10560			
99999	99999			
9862	9866			
9999	9999			

Formation Information

St Code	Formation	Depth
Psal	Salado	400
Pbslt	Base of Salt	1530
Plals	Lamar Limestone	1826
Pdel	Delaware	1993
Pbs	Bone Spring	5127
Pbs1sd	1st Bone Spring Sand	6308
Pbs2sd	2nd Bone Spring Sand	6820
Pbs3sd	3rd Bone Spring Sand	8460
Pwc	Wolfcamp	8897
Ppund	Pennsylvanian	10083
PPst	Strawn	10430
Ppat	Atoka	10666
Ppmor	Morrow	11216
Ppmorc	Morrow Clastics	11410
Mbtsh	Barnett Shale	11923

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Submit 3 Copies To Appropriate District Office
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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 and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
May 27, 2004

WELL API NO. **30-015-20829**

5. Indicate Type of Lease STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name: **Airport Grace**

1. Type of Well: Oil Well ☐ Gas Well ☒ Other

Month - Year FEB 22 2007 OCD - ARTESIA, NM

8. Well No. **1**

2. Name of Operator **Bold Energy, L P**

9. OGRID Number

3. Address of Operator **415 W. Wall, Ste 500, Midland, TX 79701**

10. Pool name or Wildcat

4. Well Location
Unit Letter **K** : **1980** feet from the **South** line and **2164** feet from the **West** line
Section **36** Township **22S** Range **26E** NMPM County **Eddy**

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* **3221**

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type _____ **Depth to Groundwater** _____ **Distance from nearest fresh water well** _____ **Distance from nearest surface water** _____

Pit Liner Thickness: _____ **mil** **Below-Grade Tank: Volume** _____ **bbls; Construction Material** _____

12. 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.	☐	P AND A	☒
PULL OR ALTER CASING	☐	MULTIPLE COMPLETION	☐	CASING/CEMENT JOB	☐		
OTHER:	☐			OTHER:	☐		

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

1/10/07 MIRU
1/11/07 Through 1/18/07 Blow tbg. and casing pressure down. Load hole with brine. POH w/ tbg.
1/22/07 WIH w/ 7" CIBP. Set @ 9800. COH / wireline. WIH w/ 62 jts tbg. SDFN
1/24/07 WIH w/243 jts. tbg. Circ. hole w/ 290 bbls 10 lb. brine. Spot 25 sx cement on top CICB @ 9800' POH w/192 jts. tbg. SDFN. 1/25/07 POH w/ 75 jts tbg. ND well head. SDFN. 1/26/07 RIH w/ 7" jet cutter to 8897'. COH w/ wireline. Could not pull casing. SDFN. 1/27/07 WIH w/ 20 jts tbg & 7" packer. Pressure up to 1500 psi. Held. WIH w/ tbg to 8900'. Spot 25 sx cement. POH w/ 160 jts. SDFN.. 1/29/07 Tag plug @ 8763. POH w/ tbg. RIH w/ jet cutter cut pipe @ +/- 6500. POH wireline. Rig up Jacks Pull casing free. Rig down Jacks. SDFN. 1/30/07 Lay down 175 jts. 7" XLine casing. SDFN. 1/31/07 Lay down 18jts. casing. RIH w/ tbg to 6600'. Spot 60 sx. cement plug SDFN. 2/01/07 Tag plug @ 6389'. Spot 45 sx cement @ 5400'. POH SDFN. 2/02/07. Tag plug @ 5276. Spot 40 sx cement @ 1984. WOC 4 hrs. Tag plug @ 1867'. Spot 45 sx. plug @ 1500'. POH SDFN. 2/05/07 Tagged plug @ 1423'. Spot 100 sx. cement plug @ 500'. WOC 4 hrs. Tagged plug @ 212'. Circ. 35 sx cement from 100' to surface. ND BOP. & wellhead. SDFN. 2/06/07 Dug out cellar. Cut off well head. Weld on Dry Hole Marker. Rig down move off.

**Plugging of the well bore.
Liability under bond is retained
until surface restoration,
environmental remediation and
final inspection is completed.**

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

SIGNATURE _____ TITLE Operations Mgr. DATE 2/19/07

Type or print name Shannon Klier E-mail address: shannon.klier@boldenergy.com Telephone No. 432-686-1100

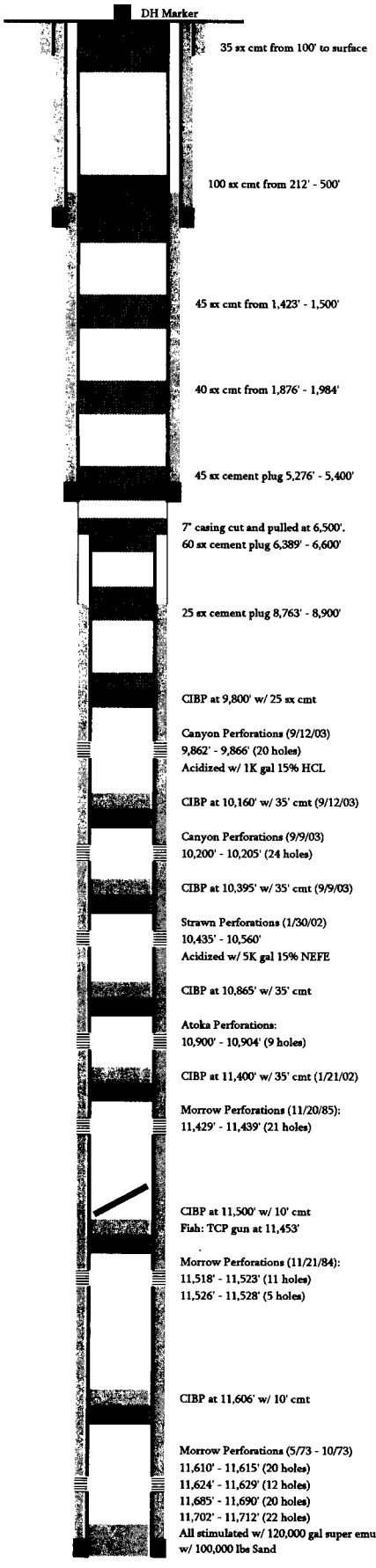
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APPROVED BY _____ TITLE Gerry Guye Deputy Field Inspector District II Artesia DATE FEB 23 2007

Conditions of Approval (if any):

Forms On-A-Disk · (214) 340-9429 · FormsOnADisk.com

BOLD ENERGY, LP — Airport Grace #1



WI: ----
NRI: ----
Elevation: 3,221'
API: 30-015-20829
KB: 19'
Surface Location 1980' FSL & 2164' FWL
Meas. TD: 11,956'
Legal Description Section 36 - T22S - R26E
TVD: 11,956'
Field: South Carlsbad
PBD: 10,335' (CIBP w/cmt)
County: Eddy County
Zone: Canyon
State: New Mexico

Casing	Hole	Weight	Grade	Depth	Burst	80% Burst	TOC
Conductor							
13-3/8"	17-1/2"	48 / 72#	H-40	358'	1,730	1,384	Surface (circ.)
9-5/8	12-1/4"	36 / 40#	J-55	5,391'	3,520	2,816	Unknown
7"	8-3/4"	23 / 32#	N-80 / P-110	11,956'	6,340	5,072	6,900' (calc.)

Date	Event
3/28/1973	Spud
5/6/1973	TD'd
5/29/1973	Perforate 11,624' - 11,629'; 11,702' - 11,712' at 2 spf w/ 4" csg guns
6/2/1973	Frac'd down tubing w/ 120,000 gal Super Emulsifrac + 100,000 lbs 20/40 sand and 100 mesh. Bdown at 12,600 psi. 10 bpm at 11,300 avg. ISIP = 5,400 psi. 5 min SIP = 5,100 psi. LTR = 3,070 bbls.
6/7/1973	Swabbed off & on thru October. Saw flowrates of 250 mscfd at times when swabbing.
10/6/1973	Perforated 11,610 - 11,615'; 11,685' - 11,690' (4 spf)
12/20/1973	Swabbed. Flowed at 500 mscfd.
10/30/1974	Ran 13 GLV's.
8/7/1975	Swab well to kick off flowing.
10/13/1980	Swab for 3 days. Got swab hung up in GLV. Fished. Uncertain if recovered.
7/1/1984	Swap out 2-7/8" for 2-3/8" tubing.
7/23/1984	Swabbed & lost 50' sandline, sinker bars, jars, mandrels.
11/19/1984	Pull CA and ran casing inspection log.
11/21/1984	Set CIBP at 11,606' w/ cmt cap.
	Perforated TCP 11,518' - 11,523' (11 holes) & 11,526' - 11,528' (5 holes)
	Performed N2 breakdown followed by 2,000 gal 7-1/2% Morrow acid + 1,000 scf N2 / bbl.
	2.8 bpm at 5,800 psi. ISIP = 3,500 psi. Swabbed.
12/11/1984	Perforated TCP 10,900 - 10,904' (9 holes)
	Acidized w 2,000 gal 7-1/2% MorFlo + N2. 2 BPM at 4,700 psi. ISIP = 3,900 psi.
12/29/1984	Set CIBP at 11,500' w/ 10' cmt cap.
	Acidized w 2,000 gal 7-1/2% NeFe HCL. 2 BPM at 4,900 psi. ISIP = 3,900 psi.
1/5/1985	Jetted with N2 / Coiled Tubing and swabbed.
1/9/1985	Frac'd placing 3,150 lbs prop before screenout. 7 bpm at 5,200 psi. ISIP = 3,620 psi. 15 min SIP = 3,430 psi. Flowed & died.
1/10/1985	CT jetting operation. Bridge at 10,800'. No fluid entry after jetting.
1/14/1985	Bdown w/ 4% KCL at 3.5 bpm at 5,400 psi. ISIP = 3,800 psi. Swabbed.
5/15/1985	Run tracer survey.
11/20/1985	Perforated TCP 11,429' - 11,439' (21 holes).
4/3/1986	Dropped TCP guns. Top of fish at 11,453'.
	CT jetting operation. Spotted acid and displaced w/ N2.
8/14/1986	CT jetting operation. Pumped 2,125 gal 7-1/2% HCL at 2 bpm acid / 8 bpm N2. ISIP = 5,280 psi. 2 hr SIP = 4,930 psi.
1/21/2002	Set CIBP at 11,400' w/ 35' cmt.
	Perforate Atoka 10,900' - 10,904' (9 holes)
	Set CIBP at 10,865' w/ 35' cmt.
1/30/2002	Perforate Strawn 10,435' - 10,560'. Acidized w/ 5K gal 15% NEFE
9/9/2003	Set CIBP at 10,395' w/ 35' cmt. Perforated Canyon 10,200' - 10,205' (24 holes)
9/12/2003	Set CIPB at 10,160' w/ 35' cmt. Perforated Canyon 9,862' - 9,866' (20 holes)
1/10/2007	Began operations to P & A.
	Set 7" CIBP at 9,800' w/ 25 sx cement on top.
	Jet cut 7" casing at 8,897'. Could not pull casing.
	Spotted 25 sx cmt from 8,900' to 8,763'.
	Jet cut 7" casing at 6,500'. POOH w/ 193 jts 7" Xline casing.
	Spotted 60 sx cmt from 6,600' to 6,389'.
	Spotted 45 sx cmt from 5,400' to 5,276'
	Spotted 40 sx cmt from 1,984' to 1,876'
	Spotted 45 sx cmt from 1,423' to 1,500'
	Spotted 100 sx cmt from 500' to 212'
	Circulated 35 sx cmt from 100' to surface.
	Dug out cellar. Cut off wellhead. Welded on DH marker.
2/6/2007	P & A Complete.

JAN 23 2008
OCD-ARTESIA

Submit 2 Copies To Appropriate District Office
District I
1625 N. French Dr , Hobbs, NM 88240
District II
1301 W Grand Ave., 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 and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
October 25, 2007

WELL API NO. **30 – 015 - 20829**

5. Indicate Type of Lease STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS)

7. Lease Name or Unit Agreement Name **Airport Grace**

1. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other

8. Well Number **1**

2. Name of Operator **Bold Energy, LP**

9. OGRID Number **233545**

3. Address of Operator **415 W. Wall, Ste 500, Midland TX 79701**

10. Pool name or Wildcat **Carlsbad; Canyon, South**

4. Well Location
Unit Letter **K** : **1980** feet from the **South** line and **2164** feet from the **West** line
Section **36** Township **22S** Range **26E** NMPM _____ County **Eddy**

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* **3,221' GR**

12. 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.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
OTHER:	☐			☒ **Location is ready for OCD inspection after P&A**			

☒ All pits have been remediated in compliance with OCD rules and the terms of the Operator's pit permit and closure plan.
☒ Rat hole and cellar have been filled and leveled. Cathodic protection holes have been properly abandoned.
☒ A steel marker at least 4" in diameter and at least 4' above ground level has been set in concrete. It shows the

OPERATOR NAME, LEASE NAME, WELL NUMBER, API NUMBER, QUARTER/QUARTER LOCATION OR UNIT LETTER, SECTION, TOWNSHIP, AND RANGE. All INFORMATION HAS BEEN WELDED OR PERMANENTLY STAMPED ON THE MARKER'S SURFACE.

☒ The location has been leveled as nearly as possible to original ground contour and has been cleared of all junk, trash, flow lines and other production equipment.
☒ Anchors, dead men, tie downs and risers have been cut off at least two feet below ground level.
☐ If this is a one-well lease or last remaining well on lease, the battery and pit location(s) have been remediated in compliance with OCD rules and the terms of the Operator's pit permit and closure plan. All flow lines, production equipment and junk have been removed from lease and well location.
☒ All metal bolts and other materials have been removed. Portable bases have been removed. (Poured onsite concrete bases do not have to be removed.)
☒ All other environmental concerns have been addressed as per OCD rules.
☒ Pipelines and flow lines have been abandoned in accordance with 19.15.9.714.B(4)(b) NMAC. All fluids have been removed from non-retrieved flow lines and pipelines.

When all work has been completed, return this form to the appropriate District office to schedule an inspection. If more than one inspection has to be made to a P&A location because it does not meet the criteria above, a penalty may be assessed.

SIGNATURE _____ TITLE **Operations Engineering Manager** DATE **1/22/08**

TYPE OR PRINT NAME **Shannon L. Klier** E-MAIL: **shannon.klier@boldenergy.com** PHONE: **(432) 686-1100**

For State Use Only

APPROVED BY: _____ TITLE Compliance Officer DATE 1/24/08

Conditions of Approval (if any):

1-14-71
Sonic Log - Gamma Ray
0 - 11,815
Lateralog - 9
4600 - 11,803
Microlateralog
4600 - 11816

Oxford®
ESSELTE

MADE IN U.S.A. NO. R753 1/3

IT IS THEREFORE ORDERED: R-4058 11-6-70

(1) That the applicant, Morris R. Antweil, is hereby authorized to complete his Allen Well No. 1, located in Unit J of Section 31, Township 22 South, Range 27 East, NMPM, Eddy County, New Mexico, as a dual completion (conventional) to produce gas from the South Carlsbad-Strawn and the South Carlsbad-Morrow Gas Pools through parallel strings of 2 1/16-inch tubing, with separation of the zones by a packer set at approximately 11,370 feet;

PROVIDED HOWEVER, that the applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A of the Commission Rules and Regulations insofar as said rule is not inconsistent with this order;

PROVIDED FURTHER, that the applicant shall take packer-leakage tests upon completion and annually thereafter during the Annual Shut-in Pressure Test Period for the South Carlsbad-Morrow Gas Pool.

Prod - 26460
Prop - 19003

30-015-20288

SABRE OPERATING INC. P&A 31-22S-27E
Allen #1 Ut. J NW SE

N MEXICO OIL CONSERVATION COMMISS

WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

Operator	Lease	Well No.
MORRIS R. ANTWEIL	ALLEN	1

Unit Letter	Section	Township	Range	County
J	31	22 SOUTH	27 EAST	EDDY

Actual Footage Location of Well:
1980 feet from the SOUTH line and 1980 feet from the EAST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3187	Delaware	~~Undesignated~~ Wildcat	40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

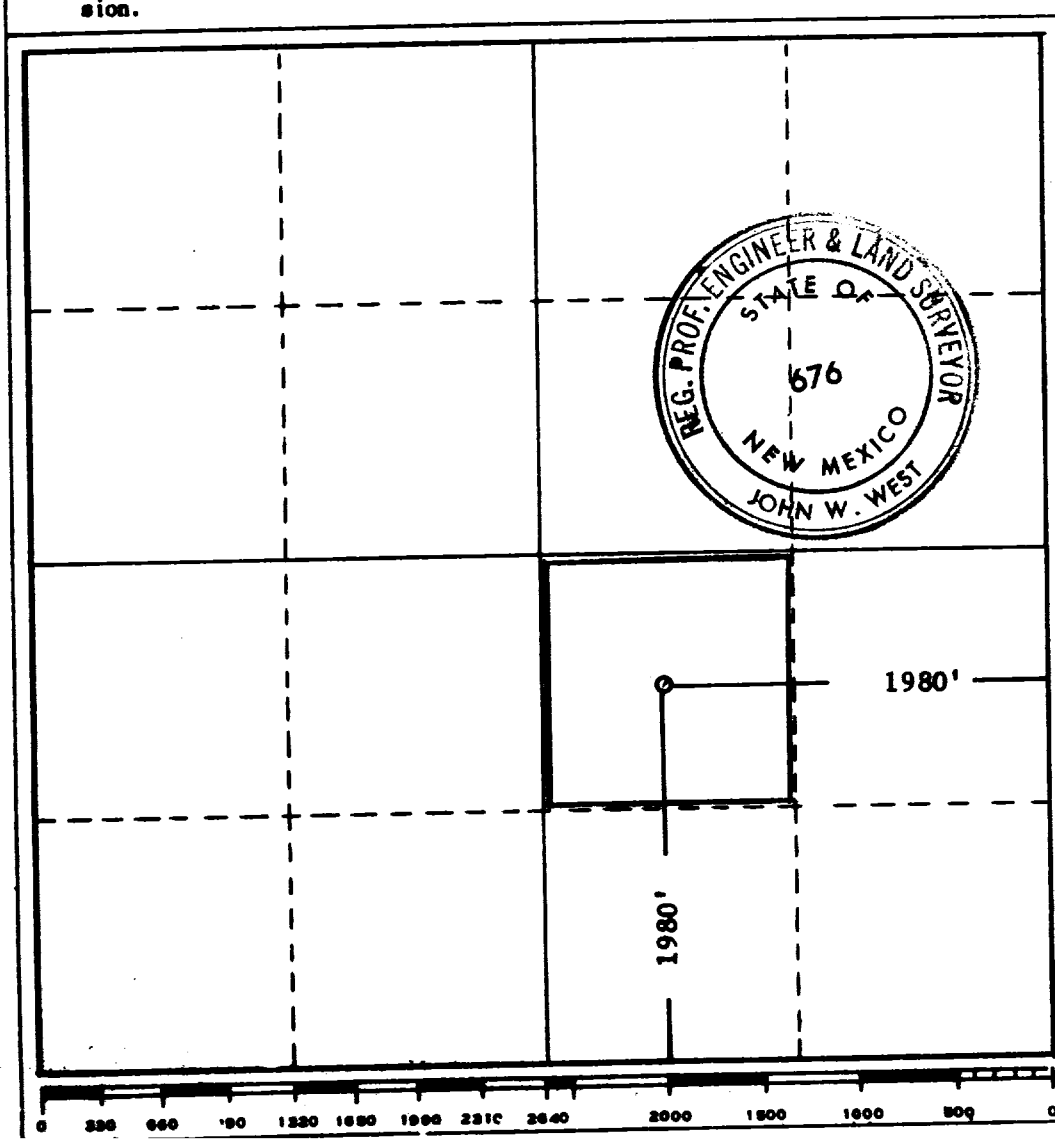
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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 ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

R M Williams

Name: Agent

Position: Morris R. Antweil

Company: March 4, 1970

Date

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: 3-4-1970

Registered Professional Engineer and/or Land Surveyor

John W West

Certificate No. 676

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NEW MEXICO OIL CONSERVATION COMMISSION

MAR 4 1970

O. C. C.
ARTESIA, OFFICE

30-015-20288

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease STATE ☐ FEE ☒

5. State Oil & Gas Lease No. ------

7. Unit Agreement Name -------

8. Farm or Lease Name: Allen

9. Well No.: 1

10. Field and Pool, or Wildcat: ~~Undesignated~~ Wildcat

12. County: Eddy

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work: DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. Type of Well: OIL WELL ☒ GAS WELL ☐ OTHER ____ SINGLE ZONE ☒ MULTIPLE ZONE ☐

2. Name of Operator: Morris R. Antweil

3. Address of Operator: Box 2010, Hobbs, New Mexico 88240

4. Location of Well: UNIT LETTER J LOCATED 1980' FEET FROM THE South LINE AND 1980 FEET FROM THE East LINE OF SEC. 31 TWP. 22S RGE. 27E NMPM

19. Proposed Depth	19A. Formation	20. Rotary or C.T.
3500'	Delaware	C.T.

21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
------	Blanket	Unknown	4 Mar. 70

23. PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17"	13-3/8"	48#	350'	350 sx.	Circ.
11"	5-1/2"	15.5#	3500'	400 sx	2700'

Surface casing to be set with cable tools. Will move on rotary after setting surface casing.

APPROVAL VALID FOR 90 DAYS UNLESS DRILLING COMMENCED.
EXPIRES 6-4-70

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed R M Williams Title Agent Date 3 Mar. 70

(This space for State Use)

APPROVED BY W. A. Gressett TITLE OIL AND GAS INSPECTOR DATE MAR 4 1970

CONDITIONS OF APPROVAL, IF ANY:

Cement must be circulated to surface behind 13 3/8" casing

NEW MEXICO OIL CONSERVATION COMMISSION

WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

AMENDMENT

Operator	Lease	Well No.
Morris R. Antweil	Allen	1

Unit Letter	Section	Township	Range	County
J	31	22 South	27 East	Eddy

Actual Footage Location of Well: 1980 feet from the South line and 1980 feet from the East line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage
3187'	Morrow	South Carlsbad	320 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). See reverse side

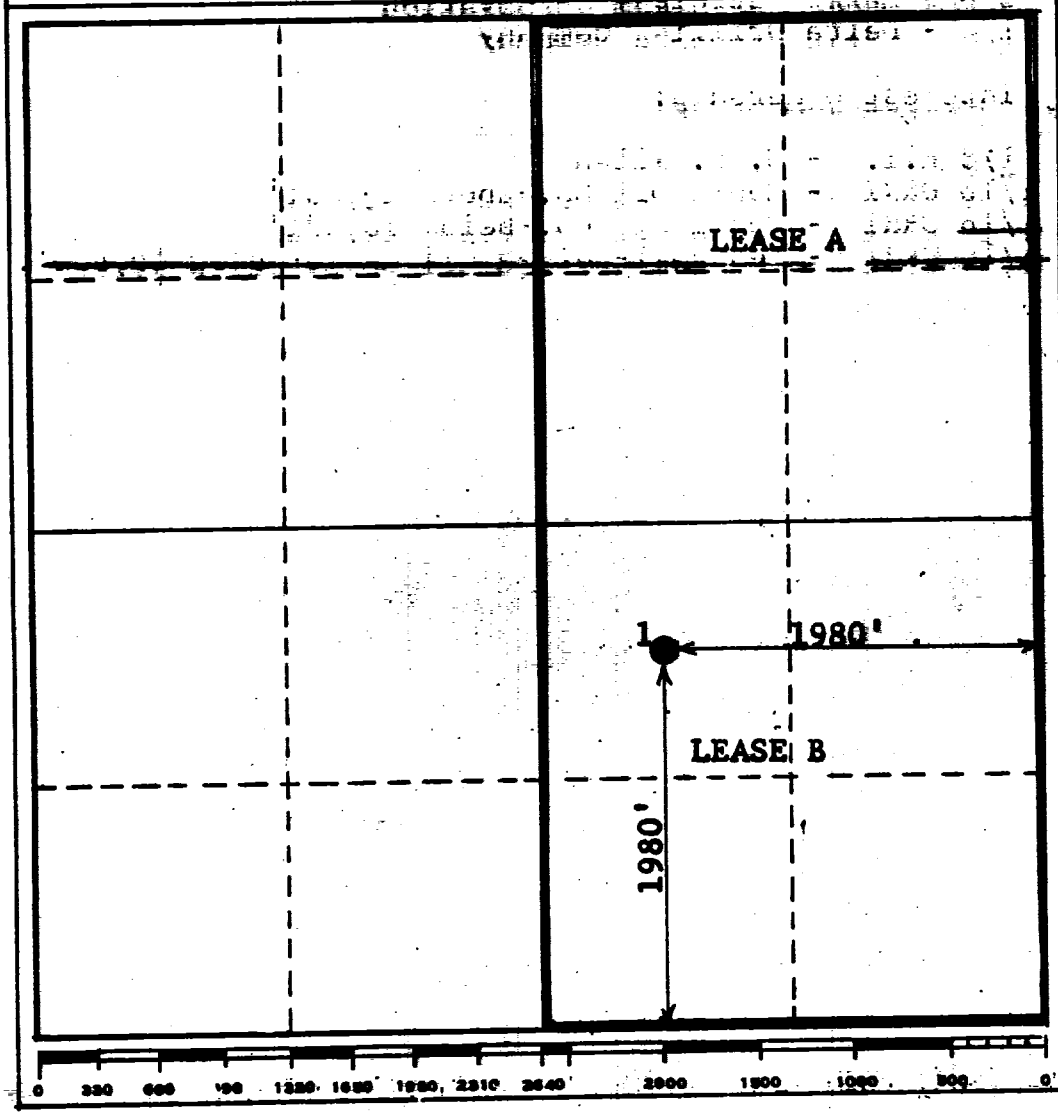
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc?

☐ Yes ☒ No If answer is "yes," type of consolidation royalty interest must be communitized

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) working interest ownership

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

RECEIVED
JUN 26 1970
O. C. C.
ARTESIA, OFFICE



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

R M Williams

Name: R. M. Williams

Position: Agent

Company: Morris R. Antweil

Date: 25 June 1970

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

Certificate No.

TRACT A: NE/4 Section 31-22-27

Working Interest Ownership:

3/8 - Morris R. Antweil
3/8 - Mabee Petroleum Corporation
1/4 - Delta Drilling Company

Royalty Interest Ownership:

1/8 - Basic royalty to various owners.
1/16 - ORRI- The Superior Oil Company.

TRACT B: SE/4 Section 31-22-27

Working Interest Ownership:

3/8 - Morris R. Antweil
3/8 - Mabee Petroleum Corporation
1/4 - Delta Drilling Company

Royalty Interest Ownership:

1/8 R.I. - U. S. Allen
1/16 ORRI - Mobil Oil Co.-above 10,831'
1/8 ~~1/16~~ ORRI - Mobil Oil Co.-below 10,831'
~~1/16 ORRI - Pennzoil United Oil Corp. below 10,83~~ .

NO. OF COPIES RECEIVED	3	
DISTRIBUTION		
SANTA FE	1	
FILE	1	✓
U.S.G.S.	2	
LAND OFFICE		
OPERATOR	1	

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NEW MEXICO OIL CONSERVATION COMMISSION

JUN 26 1970

O. C. C.
ARTESIA, OFFICE

Form C-103
Supersedes Old C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease State ☐ Fee ☒

5. State Oil & Gas Lease No. -----

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT —" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL ☐ GAS WELL ☒ OTHER-

7. Unit Agreement Name -----

2. Name of Operator: Morris R. Antweil

8. Farm or Lease Name: Allen

3. Address of Operator: Box 2010, Hobbs, New Mexico 88240

9. Well No.: 1

4. Location of Well: UNIT LETTER J, 1980 FEET FROM THE South LINE AND 1980 FEET FROM THE East LINE, SECTION 31 TOWNSHIP 22-S RANGE 27-E NMPM.

10. Field and Pool, or Wildcat: South Carlsbad, Morrow

15. Elevation (*Show whether DF, RT, GR, etc.*): 3187' GL

12. County: Eddy

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	CHANGE PLANS ☒	CASING TEST AND CEMENT JOB ☐	
OTHER ☐		OTHER ☐	

17. Describe Proposed or Completed Operations (*Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work*) SEE RULE 1103.

TD 350' with cable tools. Propose to amend Permit to Drill to provide for a 11,700-foot Morrow test and move in rotary equipment. Proposed casing and cementing programs:

Size Hole	Size Casing	Weight	Setting Depth	Sacks of Cement	Est. Top
17"	12-3/4"	51#	350'	350 sx.	Circ.
11"	8-5/8"	24 & 32#	2600'	850 sx.	Circ.
7-7/8"	5-1/2"	15.5 &17#	11,700'	300 sx.	10,000'

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED R M Williams TITLE Agent DATE 25 June 1970

APPROVED BY W. A. Gressett TITLE OIL AND GAS INSPECTOR DATE JUN 29 1970

CONDITIONS OF APPROVAL, IF ANY:

Cement must be circulated to surface behind 12 3/4" casing

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ARTESIA, OFFICE

Form C-103
Supersedes Old C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease: State ☐ Fee. ☒

5. State Oil & Gas Lease No.: ----

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT —" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL ☐ GAS WELL ☒ OTHER-

7. Unit Agreement Name: ----

2. Name of Operator: Morris R. Antweil

8. Farm or Lease Name: Allen

3. Address of Operator: Box 2010, Hobbs, N. M.

9. Well No.: 1

4. Location of Well: UNIT LETTER J, 1980 FEET FROM THE South LINE AND 1980 FEET FROM THE East LINE, SECTION 31 TOWNSHIP 22-S RANGE 27-E NMPM.

10. Field and Pool, or Wildcat: Undesignated South Carlsbad, Morrow

15. Elevation *(Show whether DF, RT, GR, etc.)*: 3187' GL

12. County: Eddy

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☒	
OTHER ☐		OTHER ☐	

17. Describe Proposed or Completed Operations *(Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work)* SEE RULE 1103.

Well spudded 4 March 1970 with cable tools. Drilled to TD 360'. Rigged-up rotary tools on 15 July 1970. Cemented 19 joints 51# 12-3/4 inch casing at 362' with 200 sx Lite cement with 1/4#/sx Flocele and 2% $CaCl_2$ + 200 sx Class "C" cement with 1/4#/sx Flocele and 2% $CaCl_2$. Plug down 10:35 A. M. 18 July 1970. Circulated cement. WOC 24 hrs. Tested casing with 1000 psi for 1 hour with no decline in pressure.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED R M Williams TITLE Agent DATE July 28, 1970

APPROVED BY W. A. Gressett TITLE OIL AND GAS INSPECTOR DATE JUL 30 1970

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JUL 30 1970

O. C. C.
ARTESIA, OFFICE

Form C-103
Supersedes Old C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State ☐ Fee. ☒

5. State Oil & Gas Lease No.
- - - - -

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT —" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL ☐ GAS WELL ☒ OTHER-

7. Unit Agreement Name
- - - - -

2. Name of Operator
Morris R. Antweil ✓

8. Farm or Lease Name
Allen

3. Address of Operator
Box 2010, Hobbs, New Mexico

9. Well No.
1

4. Location of Well
UNIT LETTER J, 1980 FEET FROM THE South LINE AND 1980 FEET FROM THE East LINE, SECTION 31 TOWNSHIP 22-S RANGE 27-E NMPM.

10. Field and Pool, or Wildcat
Undes. South Carlsbad, Morrow

15. Elevation *(Show whether DF, RT, GR, etc.)*
3187' GL

12. County
Eddy

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☒	
OTHER ☐		OTHER ☐	

17. Describe Proposed or Completed Operations *(Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work)* SEE RULE 1103.

Drilled 11" hole to 2604' Cemented 85 joints 24# & 32# J-55 8-5/8" casing @ 2600' with 700 sx Halliburton Lite cement / 150 sx. Class "C" cement. Plug down 5:15 AM 23 July, 1970. WOC 24 hrs. Ran temperature survey-top cement @ 1300'. Tested casing with 1800 psi for 30 mins. with no decline in pressure.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED E M Williams TITLE Agent DATE 7-28-70

APPROVED BY W. A. Gressett TITLE OIL AND GAS INSPECTOR DATE JUL 30 1970

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Form C-103
Supersedes Old C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State ☐ Fee ☒

5. State Oil & Gas Lease No.
- - - -

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT —" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL ☐ GAS WELL ☒ OTHER-

7. Unit Agreement Name
- - - - - -

2. Name of Operator
Morris R. Antweil

8. Farm or Lease Name
Allen

3. Address of Operator
Box 2010, Hobbs, New Mexico 88240

9. Well No.
1

4. Location of Well
UNIT LETTER J, 1980 FEET FROM THE South LINE AND 1980 FEET FROM THE East LINE, SECTION 31 TOWNSHIP 22-S RANGE 27-E NMPM.

10. Field and Pool, or Wildcat
Undesignated

15. Elevation *(Show whether DF, RT, GR, etc.)*
3187' GL

12. County
Eddy

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☒	
OTHER ☐		OTHER ☐	

17. Describe Proposed or Completed Operations *(Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work)* SEE RULE 1103.

Drilled 7-7/8" hole to TD 11,825'. Cemented 302 jts. 17#, 20#, and 23# N-80 5-1/2" casing @ 11,825' w/1245 sx cement in 2 stages. DU tool @ 8016' for 2nd. stage. Plug down 6:10 AM 30 Aug. 70. Temperature survey top of cement- 4025'. WOC 24 hrs. Drilled out cement. Tested casing with 2000 psi for 30 mins. with no decline in pressure.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED R M Williams TITLE Agent DATE 9-1-70

APPROVED BY W. A. Gressett TITLE OIL AND GAS INSPECTOR DATE SEP

CONDITIONS OF APPROVAL, IF ANY:

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U.S.G.S.		
LAND OFFICE		
OPERATOR	1	

NEW MEXICO OIL CONSERVATION COMMISSION

RECEIVED

OCT 13 1970

O. C. C.

Form C-103
Supersedes Old C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State ☐ Fee ☒

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT —" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL ☐ GAS WELL ☒ OTHER-

7. Unit Agreement Name

2. Name of Operator
Morris R. Antwell

8. Farm or Lease Name
Allen

3. Address of Operator
Box 2010, Hobbs, New Mexico 88240

9. Well No.
1

4. Location of Well
UNIT LETTER J, 1980 FEET FROM THE South LINE AND 1980 FEET FROM THE East LINE, SECTION 31 TOWNSHIP 22-S RANGE 27-E NMPM.

10. Field and Pool, or Wildcat
South Carlsbad

15. Elevation (*Show whether DF, RT, GR, etc.*)
3527' GL

12. County
Eddy

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☐	
OTHER ☐		OTHER Completion ☒	

17. Describe Proposed or Completed Operations (*Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work*) SEE RULE 1103.

TD 11,815' DOD 11,814' Perforated Morrow interval @ 11,440', 11,443', 11,452', 11,459' and 11,463' with two jet shots at each depth (10 holes). Set Baker Model "D" Retainer Production Packer at 11,370' on Schlumberger wire line. Ran 2-3/8" tubing and engaged production packer @ 11,370'. Swabbed in. Flowed gas and drilling fluid until well cleaned up. Set tubing plug @ 11,368'. Disengaged from Baker Model "E" Anchor Tubing Seal Assembly @ 11,365'. Pulled 2-3/8" tubing. Set Baker retrievable bridge plug @ 10,492'. Prep to perforate Strawn.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED R M Williams TITLE Agent DATE 10-12-70

APPROVED BY W. A. Gressett TITLE [illegible] DATE OCT 15 1970

CONDITIONS OF APPROVAL, IF ANY:

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SANTA FE		
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U.S.G.S.		
LAND OFFICE		
OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

RECEIVED
OCT 13 1970
O. C. C.
ARTESIA, OFFICE

Form C-103
Supersedes Old C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State ☐ Fee ☒

5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT —" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL ☐ GAS WELL ☒ OTHER-

7. Unit Agreement Name
-----

2. Name of Operator
Morris R. Antweil

8. Farm or Lease Name
Allen

3. Address of Operator
Box 2010, Hobbs, New Mexico 88240

9. Well No.
1

4. Location of Well
UNIT LETTER J, 1980 FEET FROM THE South LINE AND 1980 FEET FROM THE East LINE, SECTION 31 TOWNSHIP 22-S RANGE 27-E NMPM.

10. Field and Pool, or Wildcat
South Carlsbad Strawn

15. Elevation *(Show whether DF, RT, GR, etc.)*
3,127' GR

12. County
Eddy

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☐	
OTHER ☐		OTHER Completion ☒	

17. Describe Proposed or Completed Operations *(Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work)* SEE RULE 1103.

TD 11,815', DOD 11,614'. Ran 11,355' of 2-1/16" N-80 IJ tubing, with 2-3/8" 5.95# P-105 blast jts in the interval 10,206' - 10,403'. Engaged Baker Model "E" Anchor Tubing Seal Assembly @ 11,365'. Ran 10,166' of 2-1/16" J-55 IJ tubing and engaged Baker Model "D" Parallel Anchor @ 10,175'. Swabbed in Strawn interval through short string. Flowed gas, drilling fluid and acid water until well cleaned up. Retrieved tubing plug @ 11,368' from long string. Swabbed in Morrow interval through long string. Prep to potential test.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED R M Williams TITLE Agent DATE 10-12-70

APPROVED BY W. A. Gressett TITLE OIL AND GAS INSPECTOR DATE OCT 15 1970

CONDITIONS OF APPROVAL, IF ANY:

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OPERATOR		

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JAN 14 1971

NEW MEXICO OIL CONSERVATION COMMISSION

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Form C-105
Revised 1-1-65

5a. Indicate Type of Lease: State ☐ Fee ☒

5. State Oil & Gas Lease No.: ----

7. Unit Agreement Name: ----

8. Farm or Lease Name: Allen

9. Well No.: 1

10. Field and Pool, or Wildcat: South Carlsbad (Morrow)

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER

2. Name of Operator: Morris R. Antweil

3. Address of Operator: Box 2010, Hobbs, New Mexico 88240

4. Location of Well: UNIT LETTER J LOCATED 1980 FEET FROM THE South LINE AND 1980 FEET FROM THE East LINE OF SEC. 31 TWP. 22-S RGE. 27-E NMPM

12. County: Eddy

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Cashinghead
4 Mar. 70	27 Aug. 70	3 Oct. 70	3,187' GL	----

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
11,825'	11,614'	Two Zones	→	360'-11825'	0'-360'

24. Producing Interval(s), of this completion — Top, Bottom, Name: 11,440' - 11,463' Morrow

25. Was Directional Survey Made: No.

26. Type Electric and Other Logs Run: Gamma-Sonic, MLL, LL

27. Was Well Cored: No.

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
12-3/4"	51#	362'	17"	400 sx	--
8-5/8"	24 & 32#	2,600'	11"	850 sx	--
5-1/2"	17,20,23#	11,825'	7-7/8"	1245 sx	--

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-1/16"	10,175'	---
2-1/16"	11,370'	11,370'

31. Perforation Record (Interval, size and number)

10 holes - 2 shots @ following depths
11,440' - 11,443' - 11,452', 11,459'
and 11,463'

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
	None

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping — Size and type pump)	Well Status (Prod. or Shut-in)
October 3, 1970	Flowing	Shut-in

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas — Oil Ratio
10-3-70	3/4 hrs.	14/64					

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)
2204	--			2,377		

34. Disposition of Gas (Sold, used for fuel, vented, etc.): Test vented, connection pending

Test Witnessed By: Bill Kerley

35. List of Attachments: C-122, logs, DST summary, deviation record, packer leakage test.

36. 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.

SIGNED L M Williams TITLE Agent DATE 1-13-1971

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission 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 30 through 34 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				Northwestern New Mexico			
T. Anhy		T. Canyon		T. Ojo Alamo		T. Penn. "B"	
T. Salt	1125	T. Strawn	10,186	T. Kirtland-Fruitland		T. Penn. "C"	
B. Salt	1980	T. Atoka	10,538	T. Pictured Cliffs		T. Penn. "D"	
T. Yates		T. Miss	11,076	T. Cliff House		T. Leadville	
T. 7 Rivers		T. Devonian		T. Menefee		T. Madison	
T. Queen		T. Silurian		T. Point Lookout		T. Elbert	
T. Grayburg		T. Montoya		T. Mancos		T. McCracken	
T. San Andres		T. Simpson		T. Gallup		T. Ignacio Qtzte	
T. Glorieta		T. McKee		Base Greenhorn		T. Granite	
T. Paddock		T. Ellenburger		T. Dakota		T.	
T. Blinebry		T. Gr. Wash		T. Morrison		T.	
T. Tubb		T. Granite		T. Todilito		T.	
T. Drinkard		T. Delaware Sand		T. Entrada		T	
T. Abo		T. Bone Springs	5,370	T. Wingate		T.	
T. Wolfcamp	9,005	T. 3rd Bone Springs	8355	T. Chinle		T.	
T. Penn.		T. Morrow	11,076	T. Permian		T.	
T Cisco (Bough C)		T.		T. Penn. "A"		T.	

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	1080	1080	Red Bed-Anhy-Salt				
1080	1980	900	Anhy-Salt				
1980	5360	3380	Sand-Shale-Anny				
5360	8965	3605	Lime-Dolo-Anhy-Shale				
8965	10540	1575	Lime-Anhy-Shale				
10540	11825	1285	Lime-Dolo-Shale-Sand				

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JAN 14 1971

O. C. C.
ARTESIA, OFFICE

Morris R. Antweil - No. 1 Allen, 1980' FSL and 1980' FEL of Sec. 31, T-22-S, R-27-E, Eddy County, New Mexico

Following is a summary of slope tests taken with the best instruments available on the above captioned well. These tests indicate inclination from vertical.

Depth (feet)	Angle of Inclination (degrees)	Displacement (feet)	Accumulative Displacement (feet)
350	3/4	4.59	4.59
473	1	2.15	6.74
571	1-1/2	2.57	9.31
710	1-3/4	4.24	13.55
791	2	2.83	16.38
960	2	5.90	22.28
1,292	3-1/4	18.82	41.10
1,355	3-1/4	3.57	44.67
1,418	3-1/4	3.57	48.24
1,512	3-1/4	5.33	53.57
1,564	3	2.72	56.29
1,700	2-3/4	6.53	62.82
1,810	2	3.84	66.66
1,952	1-1/2	3.72	70.38
2,030	2	2.72	73.10
2,203	1-1/4	3.77	76.87
2,600	1	6.95	83.82
2,913	1	5.48	89.30
3,197	1/2	2.47	91.77
3,722	1/4	2.31	94.08
4,262	1/4	2.38	96.46
4,702	1/2	3.83	100.29
4,940	1/2	2.07	102.36
5,296	1	6.23	108.59
5,774	3	25.00	133.59
5,900	2-3/4	6.05	139.64
6,122	2	7.75	147.39
6,656	1-3/4	16.29	163.68
7,430	1	13.55	177.23
8,050	1-1/4	13.52	190.75
8,600	1-3/4	16.78	207.53
8,944	2-1/4	13.52	221.05
9,640	2	24.29	245.34
10,130	2	17.10	262.44
10,523	3-3/4	25.70	288.14
10,842	1-3/4	9.73	297.87
11,192	1-1/2	9.17	307.04
11,410	2	7.61	314.65
11,580	1-1/2	4.55	319.10
11,825	1-1/2	6.42	325.52

Delta Drilling Company

Dorman D. Graves, Division Geologist

STATE OF NEW MEXICO)

COUNTY OF LEA)

The foregoing instrument was acknowledged before me this 20th day of September, 1970 by Dorman D. Graves, known to me to be the person whose name is subscribed hereto, who, after being duly sworn, on oath states that the above is true and correct to the best of his knowledge.

H. W. Smith, Notary Public in and for Lea County, New Mexico

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JAN 1971
O. C. C.
ARTESIA, OFFICE

MORRIS R. ANTWEIL
Allen No. 1
J-31-22-27 Eddy County

DST SUMMARY

DST # 1 4860-4945' (Delaware)- Tool open 2 hrs. GTS 5 mins. Flowed at rate of 6 MCFPD increasing to 18MCFPD thru 20/64" choke. Recovered 860' salt water. 1-hr. ISIP 2246 psi, FP 138-414 psi, 2-hr. FSIP 2293 psi.

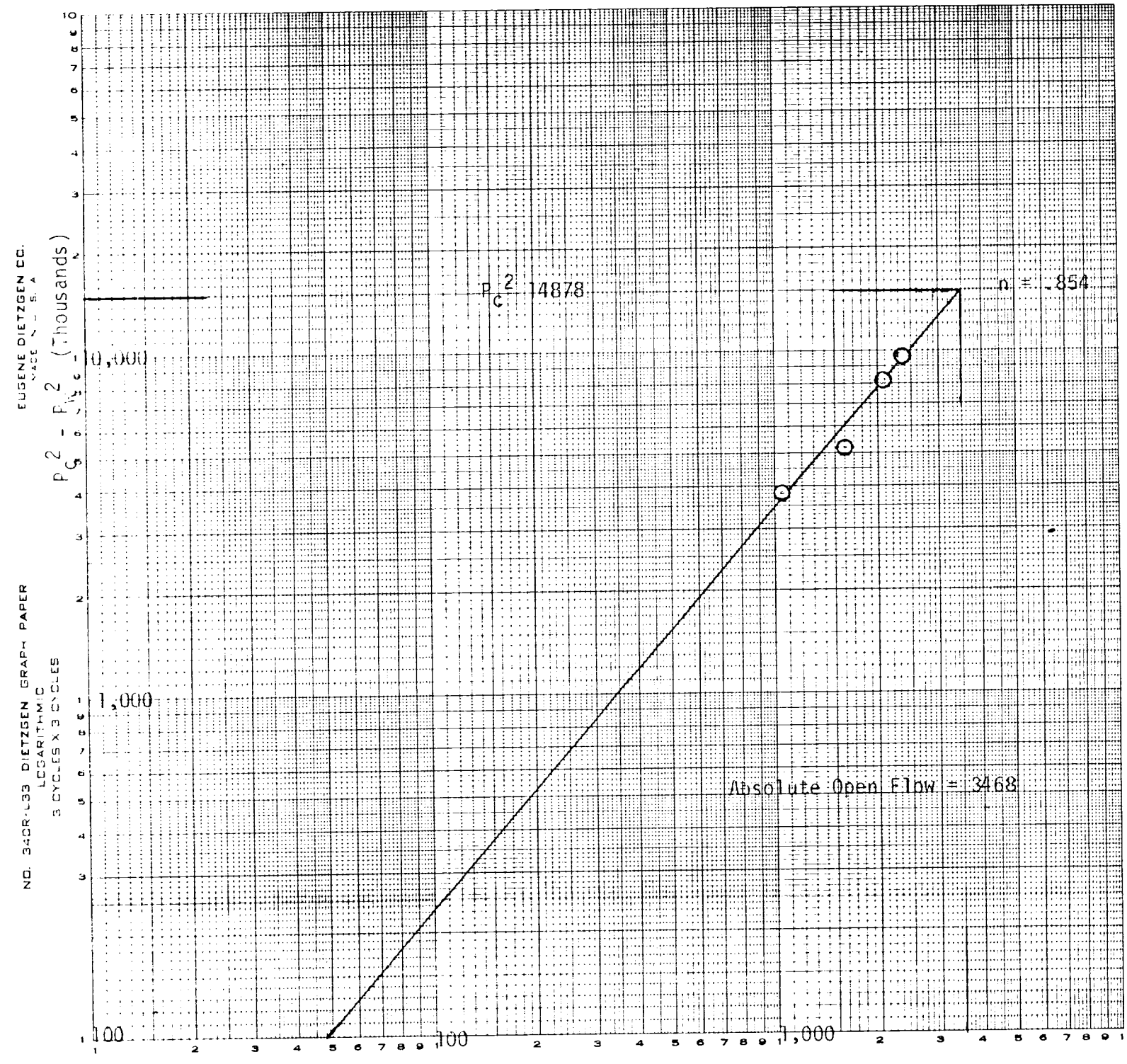
DST #2 10,175' - 10,320'(Strawn)- Tool open 3 hrs. GTS 4 mins. Flowed at rate of 2040 MCFPD. Recovered 250' 53° API condensate, 313' mud cut condensate, and 270' drilling fluid. 30-min. ISIP 5188 psi, FP 573-1054 psi, 4-hr. FSIP 4615 psi.

DST #3 10320'-10523' (Strawn)- Tool open 3 hrs. GTS 4 mins. Flowed at rate of 2800 MCFPD. Recovered 568' 48° API condensate, and 300' drilling fluid. 30-min. ISIP 5486 psi, FP 2000-4835 psi, 4-hr. FSIP 5466 psi.

DST #4 11,430'-11,474' (Morrow) - Tool open 1-1/4 hrs. GTS 3-1/2 mins. Flowed at rate of 2960 MCFPD. Recovered 300' drilling fluid. 30-min. ISIP 4796 psi, FP 1653-4601 psi. 3-hr. FSIP 4796 psi.

DST #5 11600'-11655' (Morrow)- Tool open 1-3/4 hrs. No blow. Recovered 900' WB / 30' drilling fluid. ISIP 692 psi, FP 461 psi, FSIP malfunctioned.

Company	:	Morris R. Antw
Well	:	Allen No. 1-LT
Location	:	31 - 22S - 27E
County	:	Eddy
Date	:	10-3-70



n = .854

NE MEXICO OIL CONSERVATION COMMSS N

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 0-1-65

RECEIVED
JAN 14 1971
O. C. C.
ARTESIA, OFFICE

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 10-3-70	
Company: Morris R. Antweil		Connection: None			
Pool: ~~Wildcat~~ mine		Formation: Morrow			Unit:
Completion Date: 10-3-70	Total Depth: 11,825		Plug Back TD: 11,614	Elevation: 3204 DF	Farm or Lease Name: Allen
Csg. Size: 5.5 / Wt.: 12-23 / d: / Set At: 11,825			Perforations: From 11,440 To 11,463		Well No.: 1-LT
Tbg. Size: 2-1/16 / Wt.: 3.25 / d: 1.75 / Set At: 11,385			Perforations: From None To		Unit: J / Sec.: 31 / Twp.: 22-S / Rge.: 27-E
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G. G. Multiple (Dual)			Packer Set At: 11,370		County: Eddy
Producing Thru: Tubing	Reservoir Temp. °F: 195 @ 11,452	Mean Annual Temp. °F:	Baro. Press. – P_a: 13.2		State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
11452	11452	.598	---	---	0		3"	Flange

	FLOW DATA					TUBING DATA		CASING DATA		
NO.	Prover Line Size	X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI						3844	60	Pkr.		+72 Hrs.
1.	3.068	x 1.500	807	6.5	118	3303	72			1 Hr.
2.	3.068	x 1.500	851	14.0	103	2967	72			.75 Hr.
3.	3.068	x 1.500	810	24.5	100	2518	72			.75 Hr.
4.	3.068	x 1.500	807	32.0	96	2204	72			.75 Hr.
5.										

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	11.13	73.02	820.2	.9485	1.293	1.046	1043
2	11.13	110.0	864.2	.9610	1.293	1.054	1603
3	11.13	142.0	823.2	.9636	1.293	1.053	2074
4	11.13	162.0	820.2	.9671	1.293	1.054	2377
5							

NO.	P_r	Temp. °R	T_r	Z
1	1.22	578	1.63	.914
2	1.29	563	1.59	.900
3	1.23	560	1.58	.902
4	1.22	556	1.57	.900
5				

Gas Liquid Hydrocarbon Ratio: Dry Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: --- Deg.

Specific Gravity Separator Gas	.598	xxxxxxxxx
Specific Gravity Flowing Fluid	xxxxx	.598
Critical Pressure	672 P.S.I.A.	672 P.S.I.A.
Critical Temperature	354 R	354 R

P_c 3857.2 P_c^2 14878

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1	3328.2		11077	3801
2	3109.8		9671	5207
3	2586.3		6689	8189
4	2298.0		5281	9597
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{14878}{9597}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.459$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3468$

Absolute Open Flow: 3468 Mcfd @ 15.025 | Angle of Slope θ: 49.5° | Slope, n: .854

Remarks:

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Bill Kerley	Larry Cone	Larry Cone

OIL CONSERVATION COMMISSION

BOX 2045

HOBBS, NEW MEXICO

NOTICE OF GAS CONNECTION

DATE October 4, 1971

This is to notify the Oil Conservation Commission that connection for the purchase of gas from the Morris R. Antweil Operator/Allen #1 Morrow, Operator / Lease

J, Sec.31-22S-27E, S. Carlsbad (~~Strawn~~ & Morrow), Llano, Inc.,
Well Unit / S.T.R. / Pool / Name of ~~Purchasing~~ Pipeline Co.

was made on 9/30/71.

LLANO, INC.
~~PURCHASING~~ PIPELINE COMPANY

A. L Smith
Representative

VICE PRESIDENT - OPERATIONS
Title

cc: To operator
Oil Conservation Commission - Santa Fe

SUMMARY

DRILL STEM TEST DATA
MORRIS R. ANTWEIL NO. 1 ALLEN
SEC. 31-22S-27E, EDDY COUNTY

DST 10,175'-10,320' (Strawn) - Tool open 3 hrs. GTS 4 mins. Flowed at rate of 2040 MCFPD. Recovered 250' 53° API condensate, 313' mud cut condensate, and 270' drilling fluid. 30 min. ISIP 5188 psi, IFP 573 psi, FFP 1054 psi, 4 hr. FSIP 4615 psi (still building up).

DST 10,320'-10,523' (Strawn) - Tool open 3 hrs. GTS 4 mins. Flowed at rate of 2000 MCFPD. Recovered 560' 48° API condensate and 300' drilling fluid. 30 min. ISIP 5486 psi, IFP 2000 psi, FFP 4835 psi, 4 hr. FSIP 5466 psi.

DST 11,430'-11,474' (Morrow) - Tool open 1¼ hrs. GTS 3½ mins. Flowed at rate of 2960 MCFPD. Recovered 300' drilling fluid. 30 min. ISIP 4796 psi, IFP 1653 psi, FFP 4601 psi, 3 hr FSIP 4796 psi.

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TRANSPORTER	OIL	
	GAS	
OPERATOR		
PRORATION OFFICE		

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-110
Effective 1-1-65

RECEIVED
SEP 13 1971
O. C. D.
ARTESIA, OFFICE

I.

Operator: MORRIS R. ANTWEIL

Address: Box 2010, Hobbs, New Mexico 88240

Reason(s) for filing (Check proper box)

- New Well [X]
- Recompletion [ ]
- Change in Ownership [ ]
- Change in Transporter of: Oil [ ] Dry Gas [ ] Casinghead Gas [ ] Condensate [ ]
- Other (Please explain)

If change of ownership give name and address of previous owner ------

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease (State, Federal or Fee)	Lease No.
Allen	1	South Carlsbad (Morrow)	Fee	

Location: Unit Letter J ; 1980 Feet From The South Line and 1980 Feet From The East

Line of Section 31 Township 22-S Range 27-E , NMPM, Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil [ ] or Condensate [ ]: None	Address (Give address to which approved copy of this form is to be sent): ----
Name of Authorized Transporter of Casinghead Gas [ ] or Dry Gas [X]: Llano, Inc.	Address (Give address to which approved copy of this form is to be sent): Box 1320 Hobbs, New Mexico 88240

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
					~~No.~~ Yes	9-30-71 ~~13 Sept. 71~~

If this production is commingled with that from any other lease or pool, give commingling order number: No.

IV. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		X	X					

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
4 Mar. 70	3 Oct. 70	11,825'	11,614'
Elevations (DF, RKB, RT, GR, etc.)	**Name of Producing Formation**	**Top Oil/Gas Pay**	**Tubing Depth**
3187' GL	Morrow	11,440'	11,370'
Perforations			**Depth Casing Shoe**
11,440' - 11,463' 10 holes			11,825'

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
17"	12-3/4"	362'	400 sx.
11"	8-5/8"	2600'	850 sx.
7-7/8"	5-1/2"	11825'	1245 sx.
	2-1/16"	11370'	

V. TEST DATA AND REQUEST FOR ALLOWABLE (*Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours*)

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-Bbls.**	**Gas-MCF**

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
2377	3/4 hour	----	----
Testing Method (pitot, back pr.)	**Tubing Pressure (Shut-in)**	**Casing Pressure (Shut-in)**	**Choke Size**
Back Pressure	3844 psig	----	14/64"

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

R M Williams
(Signature)

Agent
(Title)

Sept. 71
(Date)

OIL CONSERVATION COMMISSION

APPROVED OCT 14 1971, 19

BY W. A. Gressett

TITLE OIL AND GAS INSPECTOR

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122
Revised 9-1-65

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

RECEIVED

Type Test: ☐ Initial ☒ Annual ☐ Special		Test Date: 11-13-71	
Company: Morris R. Antweil ✓	Connection: Llano, Inc.		O. C. C. ARTESIA, OFFICE
Pool: South Carlsbad Morrow	Formation: Morrow		Unit
Completion Date: 10-3-71	Total Depth: 11825'	Plug Back TD: 11614'	Elevation: 3204' DF
Farm or Lease Name: Allen			
Csg. Size: 5.5 / Wt.: 12.23 / d: 5.044 / Set At: 11825'	Perforations: From 11440' To 11463'		Well No.: 1 LT
Tbg. Size: 2 1/16 / Wt.: 3.25 / d: 1.75 / Set At: 11385'	Perforations: From - To -		Unit: J / Sec.: 31 / Twp.: 22s / Rge.: 27e
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G.G. Multriple (Dual)	Packer Set At: 11370'		County: Eddy
Producing Thru: Tubing	Reservoir Temp. °F: 195 @ 11350'	Mean Annual Temp. °F: 60°	Baro. Press. – P_a: 13.2
State: New Mexico			
L: 11452' / H:	Gg: 0.577	% CO_2: 0.93	% N_2: 0.18
% H_2S: 0.00	Prover:	Meter Run: X	Taps: F

FLOW DATA

NO.	Prover Line Size	X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press. p.s.i.g.	TUBING DATA Temp. °F	CASING DATA Press. p.s.i.g.	CASING DATA Temp. °F	Duration of Flow
SI						3350 DWT		DUAL		48.0 hrs
1.	3 7/64	1.5	520	13	84	2896	72	-	-	1.0
2.	3 9/64	1.5	520	17	72	2720	72	-	-	1.0
3.	3 11/64	1.5	530	28	62	2670	72	-	-	1.0
4	3 13/64	1.5	540	48	72	2357	72	-	-	1.0
5.										

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	11.13	83.27	533.2	0.9777	1.316	1.033	1231.9
2	11.13	95.25	533.2	0.9887	1.316	1.036	1429.0
3	11.13	123.34	543.2	0.9981	1.316	1.040	1876.4
4	11.13	162.95	553.2	0.9887	1.316	1.038	2449.4
5							

NO.	P_t	Temp. °R	T_r	Z
1	0.79	544	1.59	0.937
2	0.79	532	1.56	0.932
3.	0.80	522	1.53	0.925
4.	0.82	532	1.56	0.929
5				

Gas Liquid Hydrocarbon Ratio: Dry Gas Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: - Deg.
Specific Gravity Separator Gas: 0.577 xxxxxxxxx
Specific Gravity Flowing Fluid: xxxxx
Critical Pressure: 675 P.S.I.A. - P.S.I.A.
Critical Temperature: 342 R - R

P_c 4751.2 P_c^2 22573.9

NO	P_t^2	P_w *	P_w^2	$P_c^2 - P_w^2$
1	-	4200.2	17641.7	4932.2
2	-	4078.2	16631.7	5942.2
3	-	3689.2	13610.2	8963.7
4	-	3296.2	10864.9	11709.0
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.799$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.445$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3494$

Absolute Open Flow: 3490 Mcfd @ 15.025 | Angle of Slope θ: 56° 8' | Slope, n: 0.671

Remarks: * BHP @ (-8248') 11452' used for pressure calculations

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	COLEMAN PET.ENG.	JOE A. COLEMAN	JOE A. COLEMAN

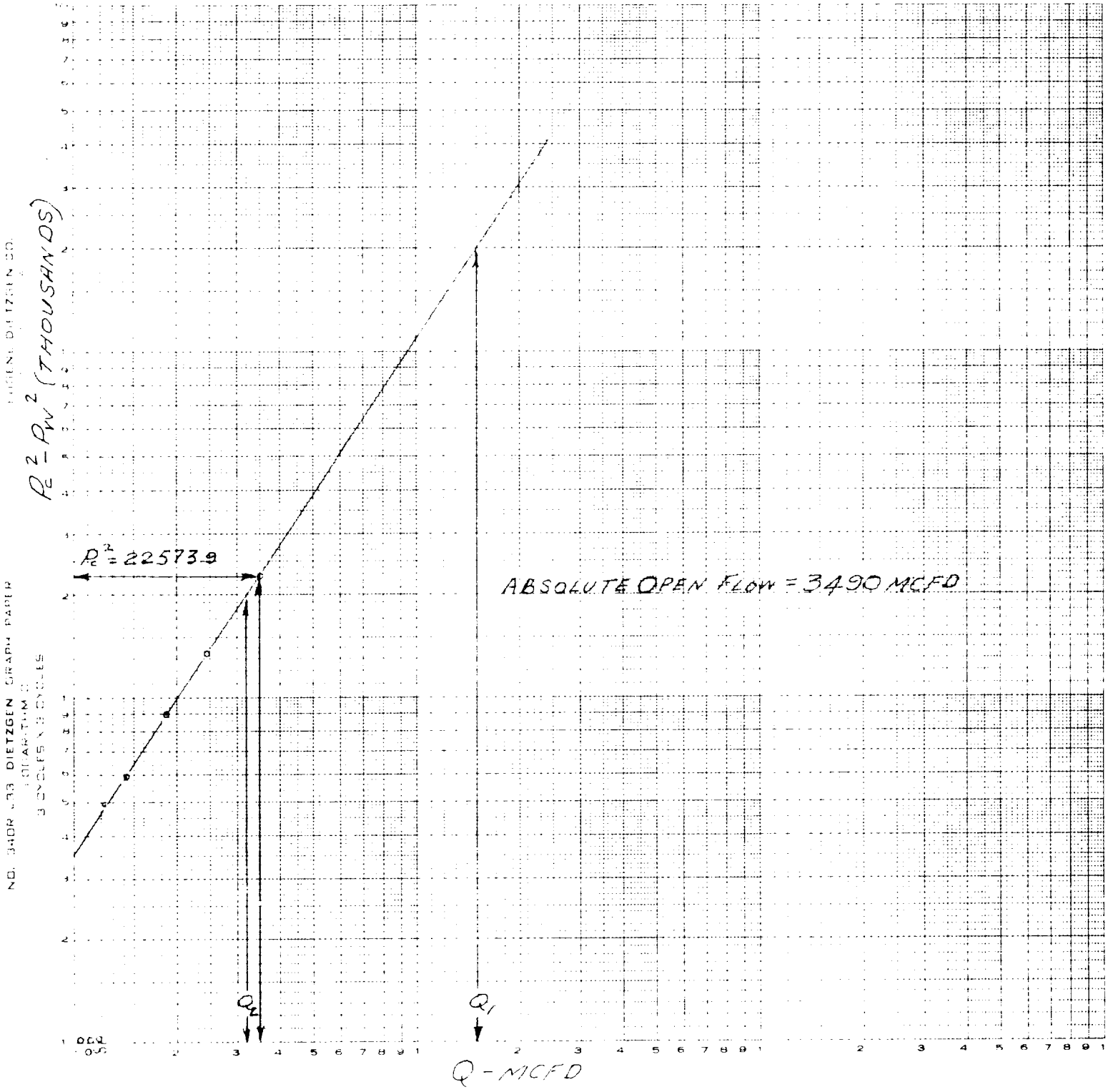
COMPANY MORP R. ANTWEIL

WELL ALLEN, NO. 1 LT

LOCATION Sec. 31 22 s 27 e

COUNTY EDDY NEW MEXICO

DATE November 13, 1971



$Q_1 = 15000$ MCFD; LOG $Q_1 = 4.17609$

$Q_2 = 3200$ MCFD; LOG $Q_2 = 3.50515$

$n = 0.6694 = 0.671$

NEW MEXICO
OIL CONSERVATION COMMISSION
P. O. BOX 2088
SANTA FE, NEW MEXICO

GAS SUPPLEMENT NO. (NW) (SE) SF-3691 DATE 4-10-73

NOTICE OF WELL CONNECTION OR AUTHORITY TO ASSIGN ALLOWABLE
ALL VOLUMES EXPRESSED IN MCF

The operator of the following well has complied with all the requirements of the Oil Conservation Commission and may be assigned an allowable as shown below.

Date of Connection _____ Date of First Allowable or Allowable Change _____
Purchaser Llano, Inc. Pool Carlsbad Morrow, South
Operator Morris R. Antweil Lease Allen
Well No. 1 Unit Letter J Sec. 31 Twp. 22S Rnge. 27E
Dedicated Acreage _____ Revised Acreage _____ Difference _____
Acreage Factor 1.00 Revised Acreage Factor _____ Difference _____
Deliverability _____ Revised Deliverability _____ Difference _____
A x D Factor _____ Revised A x D Factor _____ Difference _____

Reclassified NM to M DIST. #

CALCULATION OF SUPPLEMENTAL ALLOWABLE

MONTH	% OF MO.	PREV. ALLOW.	REV. ALLOW.	PREV. PROD.	REV. PROD.	REMARKS
JANUARY						
FEBRUARY						
MARCH						
APRIL						
MAY		54036				
JUNE						
JULY						
AUGUST						
SEPTEMBER						
OCTOBER						
NOVEMBER						
DECEMBER						328156 Cancelled due to Reclassification.
TOTALS						
ALLOWABLE PRODUCTION DIFFERENCE - - - - - -				328156-		
March SCHEDULE O/U STATUS - - - - - -				328156+		
REVISED March O/U STATUS - - - - - -				-0-		
EFFECTIVE IN May SCHEDULE - - - - -						
PREVIOUS PERIOD ADJUSTMENTS - - - - - - - -						CURRENT CLASSIFICATION N TO M

NOTICE OF SHUT-IN

The following described well has been Shut-in for Failure of Compliance:

Purchaser _____ Pool _____ Date _____
Operator _____ Lease _____
Well No. _____ Unit Letter _____ Sec. _____ Twp. _____ Rnge. _____
Effective date of Shut-in _____ Reason for Shut-In _____

A. L. PORTER, Jr., Director
By _____

NEW MEXICO
OIL CONSERVATION COMMISSION
P. O. BOX 2088
SANTA FE, NEW MEXICO

RECEIVED
JUL 27 1973
O. C. C.
ARTESIA, OFFICE

GAS SUPPLEMENT NO. (MW) (SE) SE-3746 DATE 7-5-73

NOTICE OF WELL CONNECTION OR AUTHORITY TO ASSIGN ALLOWABLE
ALL VOLUMES EXPRESSED IN MCF

The operator of the following well has complied with all the requirements of the Oil Conservation Commission and may be assigned an allowable as shown below.

Date of Connection _____ Date of First Allowable or Allowable Change _____
Purchaser LLANO, INC. Pool CARLSBAD MORROW, SOUTH
Operator MORRIS ANTWEIL Lease ALLEN
Well No. 1 Unit Letter J Sec. 31 Twp. 22S Rnge. 27E
Dedicated Acreage _____ Revised Acreage _____ Difference _____
Acreage Factor 1.00 Revised Acreage Factor _____ Difference _____
Deliverability _____ Revised Deliverability _____ Difference _____
A x D Factor _____ Revised A x D Factor _____ Difference _____

Production correction

DIST. II

CALCULATION OF SUPPLEMENTAL ALLOWABLE

MONTH	% OF MO.	PREV. ALLOW	REV. ALLOW.	PREV. PROD.	REV. PROD.	REMARKS
JANUARY						
FEBRUARY						
MARCH						
APRIL						
MAY				53600	9614	-43986
JUNE						
JULY						
AUGUST						
SEPTEMBER						
OCTOBER						
NOVEMBER						
DECEMBER						
TOTALS						
ALLOWABLE PRODUCTION DIFFERENCE - - - - - -				43986+		
May SCHEDULE O/U STATUS - - - - - -				137674+		
REVISED May O/U STATUS - - - - - -				181660+		
EFFECTIVE IN August SCHEDULE - - - - -						
PREVIOUS PERIOD ADJUSTMENTS - - - - - - - -						CURRENT CLASSIFICATION N TO

NOTICE OF SHUT-IN

The following described well has been Shut-in for Failure of Compliance:

Purchaser _____ Pool _____ Date _____
Operator _____ Lease _____
Well No. _____ Unit Letter _____ Sec. _____ Twp. _____ Rnge. _____
Effective date of Shut-in _____ Reason for Shut-In _____

A. L. PORTER, Jr., Director

By _____

NEW MEXICO
OIL CONSERVATION COMMISSION
P. O. BOX 2088
SANTA FE, NEW MEXICO

RECEIVED
JUL 27 1973
O. C. C.
ARTESIA, OFFICE

GAS SUPPLEMENT NO. (NW) (SE) SF-3756 DATE 7-19-73

NOTICE OF WELL CONNECTION OR AUTHORITY TO ASSIGN ALLOWABLE
ALL VOLUMES EXPRESSED IN MCF

The operator of the following well has complied with all the requirements of the Oil Conservation Commission and may be assigned an allowable as shown below.

Date of Connection _____ Date of First Allowable or Allowable Change _____
Purchaser LLANO, INC. Pool CARLSBAD MORROW, SOUTH
Operator MORRIS R. ANTWEIL Lease ALLEN
Well No. 1 Unit Letter J Sec. 31 Twp. 22S Rnge. 27E
Dedicated Acreage 320 Revised Acreage _____ Difference _____
Acreage Factor 1.00 Revised Acreage Factor _____ Difference _____
Deliverability _____ Revised Deliverability _____ Difference _____
A x D Factor _____ Revised A x D Factor _____ Difference _____

Reclassified N to M DIST. #

CALCULATION OF SUPPLEMENTAL ALLOWABLE

MONTH	% OF MO.	PREV. ALLOW.	REV. ALLOW.	PREV. PROD.	REV. PROD.	REMARKS
JANUARY						
FEBRUARY						
MARCH						
APRIL						
MAY						
JUNE						
JULY			14610			Marginal allowable
AUGUST						
SEPTEMBER						308,719 Cancelled due to Reclassification
OCTOBER						
NOVEMBER						
DECEMBER						
TOTALS						
ALLOWABLE PRODUCTION DIFFERENCE - - - - - -				308,719-		
May SCHEDULE O/U STATUS - - - - - -				308,719+		
REVISED May O/U STATUS - - - - - -				-0-		
EFFECTIVE IN August SCHEDULE - - - - -						
PREVIOUS PERIOD ADJUSTMENTS - - - - - - - -						CURRENT CLASSIFICATION N TO M

NOTICE OF SHUT-IN

The following described well has been Shut-in for Failure of Compliance:

Purchaser _____ Pool _____ Date _____
Operator _____ Lease _____
Well No. _____ Unit Letter _____ Sec. _____ Twp. _____ Rnge. _____
Effective date of Shut-in _____ Reason for Shut-In _____

A. L. PORTER, Jr., Director
By _____

Morris R. Antweil
OIL OPERATOR
P. O. Box 2010
HOBBS, NEW MEXICO 88240

October 9, 1974

RECEIVED
OCT 1 1974
O. C. D.
ARTESIA, OFFICE

New Mexico Oil Conservation Commission
Post Office Drawer "DD"
Artesia, New Mexico 88210

Attention: Mr. W. A. Gressett

Gentlemen:

Re: Artweil No. 1 Allen
J-31-T22S-R27E
South Carlsbad Gas Pool
Eddy County, New Mexico

Enclosed, is a C-103 reporting our repair of a tubing leak in captioned dual completion and the subsequent acid treatment of the Morrow interval. The tubing leak was detected by the presence of Strawn condensate in the Morrow production stream. Immediate action was taken to locate and repair the leak.

The Morrow interval is producing about 1.5 MMCFPD following treatment; while the Strawn interval is cleaning up slowly from the approximate 1,200 barrels of KCL-treated water which was lost to the interval while pulling, testing, and re-running the tubing strings.

The shut-in tubing pressure measurements and packer leakage tests which should have been taken on the captioned well during September will be run and reported as soon as the production from the Strawn interval stablizes.

Yours very truly,

MORRIS R. ANTWEIL

R. M. Williams

RMW/lh

Enclosures (4)

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OPERATOR	/	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease: State ☐ Fee ☒

5. State Oil & Gas Lease No.: -----

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT —" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL ☐ GAS WELL ☒ OTHER-

7. Unit Agreement Name: -----

2. Name of Operator: **Morris R. Antweil**

8. Farm or Lease Name: **Allen**

3. Address of Operator: **Box 2010, Hobbs, New Mexico 88240**

9. Well No.: **1**

4. Location of Well: UNIT LETTER **J**, **1980** FEET FROM THE **South** LINE AND **1980** FEET FROM THE **East** LINE, SECTION **31** TOWNSHIP **22-S** RANGE **27-E** NMPM.

10. Field and Pool, or Wildcat: **South Carlsbad (Morrow)**

15. Elevation *(Show whether DF, RT, GR, etc.)*: **3187' GR**

12. County:

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☒	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☐	
OTHER ☐		OTHER ☐	

17. Describe Proposed or Completed Operations *(Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work)* SEE RULE 1103.

Presence of Strawn condensate in Morrow production stream indicated packer or tubing leak. Testing indicated leak to be in Morrow tubing string. Killed well with KCL treated water and pulled both tubing strings. Replaced leaking tubing joint. Tested tubing back-in hole. Reset both tubing strings as previously set. Treated Morrow perfs. 11,440' - 11,463' with 7000 gals Morrow-flow acid containing 1000 SCF/bbls of nitrogen and using ball sealers. Max. treating pressure 6200 psi. Average treating pressure 5800 psi. ISIP 3200. Swabbed and flowed back load. Return to production. Flowing Strawn to clean-up kill water.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED C M Williams TITLE **Agent** DATE **9 October 1974**

APPROVED BY W. A. Gressett TITLE **OIL AND GAS INSPECTOR** DATE **OCT 11 1974**

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

DEC 2 1974

O. C. C.
ARTESIA, OFFICE

November 27, 1974

Oil Conservation Commission
Post Office Box 2088
Santa Fe, New Mexico 87501

ATTENTION: Mr. R. L. Stamets

Gentlemen:

Re: Morris R. Antweil No. 1 Allen
J-Section 31-T22S-R27E
South Carlsbad (Strawn & Morrow)
Eddy County, New Mexico

We realize the delinquency of the Shut-In Pressure Report and Packer-Leakage Test on the captioned well as pointed out in your notice of November 25, 1974.

Our letter of October 9, 1974, to the District II office, copy enclosed, gave the reason for our delay in these tests. The tests have now been scheduled for December 2, 1974, and will be reported promptly.

Yours very truly,

MORRIS R. ANTWEIL

R. M. Williams

RMW/lh

Enclosure (1)

cc: N.M.O.C.C.
P. O. Drawer "DD"
Artesia, N.M. 88210
Attention: W. A. Gressett

OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO
P. O. DRAWER DD - ARTESIA
88210

DIRECTOR
JOE D. RAMEY

LAND COMMISSIONER
PHIL R. LUCERO

STATE GEOLOGIST
EMERY C. ARNOLD

October 16, 1975

Morris R. Antweil
P. O. Box 2010
Hobbs, N. M. 88240

Re: Delinquent Packer Leakage Report
Allen #1-J, 31-22-27
Little Jewel #1-F, 31-22-27
Eddy County, N. M.

Gentlemen:

To date, this office has not received the 1975 Packer Leakage Report as required by OCC Rule 112-A-6-C, on the above subject wells.

Please complete these tests and forward the results to this office at your earliest convenience.

Yours truly,

Leon Bergstrom
Oil & Gas Inspector

LB/ep

EL PASO NATURAL GAS COMPANY

RECEIVED

DATE October 22 19 76

OCT 25 1976

O. C. C.
ARTESIA, OFFICE

ADVICE ON WELLS TIED INTO GAS GATHERING SYSTEMS

Name of Producer: Morris R. Antweil (0210)

Well Name and Number: Allen #1 (Morrow)

Location: 1980'S, 1980'E, Sec. 31, T-22-S, R-27-E, Eddy Co., NM

Pool Name: South Carlsbad Morrow

Producing Formation: Morrow

Top of Gas Pay: 11440

Oil or Gas Well: Gas

Gas Unit Allocation: 320 Acres E 1/2

Date Tied Into Gathering Systems: October 6, 1976

Date of First Delivery: October 15, 1976

Gas Gathering System: Carlsbad Gathering System

Processed through Gasoline Plant (yes or no): No

Station Number: 61-716-01

Remarks: Well not produced when tied in due to awaiting on gas purchasing commitments

By: Travis R. Elliott, Dispatching

RECEIVED

OCT 18 1976

O. C. C.
ARTESIA, OFFICE

OIL CONSERVATION COMMISSION

P. O. DRAWER DD

ARTESIA, NEW MEXICO 88210

NOTICE OF GAS CONNECTION

Date October 15, 1976

This is to notify the Oil Conservation Commission that connection for the purchase of gas from the Morris R. Antweil
Operator

Allen #1 (Morrow) , J , 31-22-27
Lease Well & Unit S.T.R.

South Carlsbad Morrow , El Paso Natural Gas Co.
Pool Name of Purchaser

was made on October 6, 1976.

El Paso Natural Gas Co.
Purchaser

Representative

Gas Production Status Analyst
Title

TRE: bl
cc: To operator
Oil Conservation Commission - Santa Fe
H . P. Logan
T. J. Crutchfield
Proration
File

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NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-110
Effective 1-1-65

RECEIVED
OCT 14 1976
O. C. C.
ARTESIA, OFFICE

I.

Operator: Morris R. Antweil

Address: Box 2010, Hobbs, New Mexico 88240

Reason(s) for filing (Check proper box): Additional
- New Well [ ]
- Recompletion [ ]
- Change in Ownership [ ]
- Change in Transporter of: Oil [ ] Casinghead Gas [ ] Dry Gas [X] Condensate [ ]

Other (Please explain): Effective 1 October, 1976 Split Conn.

If change of ownership give name and address of previous owner _____

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Allen	1	South Carlsbad (Morrow)	State, Federal or Fee Fee	----

Location: Unit Letter J ; 1980 Feet From The South Line and 1980 Feet From The East

Line of Section 31 Township 22-S Range 27-E , NMPM, Eddy County

II. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil [ ] or Condensate [ ] — Address (Give address to which approved copy of this form is to be sent)

Name of Authorized Transporter of Casinghead Gas [ ] or Dry Gas [X]: Plains Pipe, El Paso Natural Gas Co.-93.75% — Address (Give address to which approved copy of this form is to be sent): Box 1328 Hobbs New Mexico; Box 1492, El Paso, Texas 79978

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
					~~No.~~ Yes	9-30-71
					Yes	10-6-76

If this production is commingled with that from any other lease or pool, give commingling order number: _____

V. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Perforations			Depth Casing Shoe

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

V. TEST DATA AND REQUEST FOR ALLOWABLE (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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-Bbls.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

R. M. Williams
(Signature)

Agent
(Title)

12 October, 1976
(Date)

OIL CONSERVATION COMMISSION

APPROVED OCT 26 1976, 19

BY W. A. Gressett

TITLE SUPERVISOR, DISTRICT II

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

OIL CONSERVATION COMMISSION
STATE OF NEW MEXICO
P. O. BOX 2088 - SANTA FE 87501

AS
SUPPLEMENT
NUMBER ..... (NW)(SE) AR - 381

DATE 10-26-76

NOTICE OF ASSIGNMENT OF ALLOWABLE TO A GAS WELL

The operator of the following well has complied with all the requirements of the Oil Conservation Commission and the well is hereby assigned an allowable as shown below.

Date of Connection _____ Date of First Allowable or Allowable Change _____
Purchaser L I & EPG Pool South Carlsbad Morrow
Operator Morris R. Antweil Lease Allen
Well No. 1 Unit Letter J Sec. 31 Twp. 22 Range 27
Dedicated Acreage 320 Revised Acreage _____ Difference _____
Acreage Factor 1.00 Revised Acreage Factor _____ Difference _____
Deliverability _____ Revised Deliverability _____ Difference _____
A x D Factor _____ Revised A x D Factor _____ Difference _____

Split Connection (M)
L I 9-30-71
EPG 10- 6-76

W. A. Gressett OCC District No. 2

CALCULATION OF SUPPLEMENTAL ALLOWABLE

MONTH	% OF MO.	PREV. ALLOW.	REV. ALLOW.	PREV. PROD.	REV. PROD.	REMARKS
January						
February						
March						
April						
May						
June						
July						
August						
September						
October						
November						
December						
TOTALS						

Previous Status Adjustments .....
Allowable Production Difference .....
Sept. Schedule O/U Status .....
Revised Sept. O/U Status .....

Effective In Dec. Schedule
Current Classification M To M

RECEIVED
NOV 15 1976
O. C. C.
ARTESIA, OFFICE

Note: All gas volumes are in MCF @ 15.025 psia.

JOE D. RAMEY, *Secretary – Director*

By J. E. Kaptina

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	GAS	
OPERATOR		
PRORATION OFFICE		

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-110
Effective 1-1-65

RECEIVED

I.

Operator
Reserve Oil, Inc.

Address
312 HBF Building, Midland, Texas 79701

Reason(s) for filing *(Check proper box)*

New Well ☐
Recompletion ☐
Change in Ownership ☒

Change in Transporter of:
Oil ☐ Dry Gas ☐
Casinghead Gas ☐ Condensate ☐

Other *(Please explain)*
Change effective 11-1-77

If change of ownership give name and address of previous owner **Morris R. Antweil, Box 2010, Hobbs, New Mexico 88240**

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Allen	**1**	**South Carlsbad (Morrow)**	State, Federal or Fee **Fee**	**--**

Location
Unit Letter **J** : **1980** Feet From The **South** Line and **1980** Feet From The **East**

Line of Section **31** Township **22-S** Range **27-E** , NMPM, **Eddy** County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☐ — Address *(Give address to which approved copy of this form is to be sent)*

Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒ — Address *(Give address to which approved copy of this form is to be sent)*
Llano, Inc. - 50% **Box 1320, Hobbs, New Mexico 88240**
El Paso Natural Gas Company - 50% **Box 1492, El Paso, Texas 79978**

If well produces oil or liquids, give location of tanks. Unit — Sec. — Twp. — Rge. — Is gas actually connected? **Yes** When **9-30-71**
Yes **10-6-76**

If this production is commingled with that from any other lease or pool, give commingling order number: ---

IV. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Resv.	Diff. Resv.

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Elevations *(DF, RKB, RT, GR, etc.)*	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Perforations			Depth Casing Shoe

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

V. TEST DATA AND REQUEST FOR ALLOWABLE

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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 - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method *(pitot, back pr.)*	Tubing Pressure **(Shut-in)**	Casing Pressure **(Shut-in)**	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Clarence R. Chandler
(Signature)
District Engineer
(Title)
October 12, 1977
(Date)

OIL CONSERVATION COMMISSION

APPROVED NOV 1 1977, 19 ---
BY W. A. Gressett
TITLE SUPERVISOR, DISTRICT II

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply

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NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-11
Effective 1-1-65

I.

Operator
Reserve Oil, Inc.

Address
312 HBF Building, Midland, Texas 79701

Reason(s) for filing *(Check proper box)*
New Well ☐
Recompletion ☐
Change in Ownership ☒
Change in Transporter of:
Oil ☐ Dry Gas ☐
Casinghead Gas ☐ Condensate ☐

Other *(Please explain)*
Change effective 11-1-77
Corrected

If change of ownership give name and address of previous owner Morris R. Antweil, Box 2010, Hobbs, New Mexico 88240

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Allen	1	South Carlsbad (Morrow)	State, Federal or Fee Fee	--

Location
Unit Letter J : 1980 Feet From The South Line and 1980 Feet From The East
Line of Section 31 Township 22-S Range 27-E , NMPM, Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☐ — Address *(Give address to which approved copy of this form is to be sent)*

Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒ — Address *(Give address to which approved copy of this form is to be sent)*
Llano, Inc. - 6.25% *
El Paso Natural Gas Company - 93.75% *
Box 1320, Hobbs, New Mexico 88240
Box 1492, El Paso, Texas 79978

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
					Yes Yes	9-30-71 10-6-76

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Elevations *(DF, RKB, RT, GR, etc.)*	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Perforations			Depth Casing Shoe

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

V. TEST DATA AND REQUEST FOR ALLOWABLE

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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-Bbls.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method *(pitot, back pr.)*	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Clarence R. Chandler
(Signature)
District Engineer
(Title)
November 17, 1977
(Date)

OIL CONSERVATION COMMISSION

APPROVED NOV 21 1977, 19
BY W. A. Gressett
TITLE SUPERVISOR, DISTRICT II

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiple

NO. OF COPIES RECEIVED	5	
DISTRIBUTION		
SANTA FE	1	
FILE	1	✓
U.S.G.S.		
LAND OFFICE		
TRANSPORTER OIL		
TRANSPORTER GAS	1/1	
OPERATOR	1	
PRORATION OFFICE		

NEW MEXICO OIL CONSERVATION COMM. ON
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-110
Effective 1-1-65

RECEIVED
JUN 16 1978
O. C. C.
ARTESIA, OFFICE

I. Operator
Delta Drilling Company ✓

Address
P.O. Box 2113 Midland, Texas 79702

Reason(s) for filing (Check proper box)
New Well ☐
Recompletion ☐
Change in Ownership ☒
Change in Transporter of: Oil ☐ Dry Gas ☐ Casinghead Gas ☐ Condensate ☐

Other (Please explain)
change effective 7/1/78

If change of ownership give name and address of previous owner Reserve Oil , Inc. 312 HBF Building, Midland, Texas 79701

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Allen	1	South Carlsbad (Morrow)	State, Federal or Fee Fee	

Location
Unit Letter J ; 1980 Feet From The south Line and 1980 Feet From The east
Line of Section 31 Township 22-S Range 27-E , NMPM, Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☐	Address (Give address to which approved copy of this form is to be sent)
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒	Address (Give address to which approved copy of this form is to be sent)
Llano, Inc. - 6.25% El Paso Natural Gas Company 93.75%	Box 1320, Hobbs, New Mexico 88240 Box 1492, El Paso, Texas 79978
If well produces oil or liquids, give location of tanks. Unit / Sec. / Twp. / Rge.	Is gas actually connected? yes yes
	When 9/30/71 10/ 6/76

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Resv.	Diff. Resv.

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
			Depth Casing Shoe
Perforations			

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 total 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 - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

/Ron Brown
(Signature)

Field Project Manager
(Title)

6/15/78
(Date)

OIL CONSERVATION COMMISSION

APPROVED JUN 30 1978, 19

BY W. A. Gressett

TITLE SUPERVISOR, DISTRICT II

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

DISTRIBUTION		
SANTA FE		
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TRANSPORTER	OIL	
	GAS	
OPERATOR		
PRORATION OFFICE		

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-104
Revised 10-1-78

RECEIVED BY
OCT 04 1983
O. C. D.
ARTESIA, OFFICE

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. Operator

Baruch-Foster Corporation

Address

One Energy Square/4925 Greenville Avenue/Dallas, Texas 75206

Reason(s) for Filing (Check proper box)

New Well [ ]
Recompletion [ ]
Change in Ownership [X]

Change in Transporter of:
Oil [ ] Dry Gas [ ]
Casinghead Gas [ ] Condensate [ ]

Other (Please explain)

If change of ownership give name and address of previous owner Delta Drilling Company/3100-C North "A"/Midland, Texas 79701

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Allen	1	Carlsbad Morrow, South (Gas)	State, Federal or Fee Fee	-

Location

Unit Letter J : 1980 Feet From The South Line and 1980 Feet From The East

Line of Section 31 Township 22S Range 27E NMPM, Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil [ ] or Condensate [XX]
The Permian Corporation
Address (Give address to which approved copy of this form is to be sent)
Box 1183/Houston, Texas 77001

Name of Authorized Transporter of Casinghead Gas [ ] or Dry Gas [XX]
ElPaso Natural Gas Company
Address (Give address to which approved copy of this form is to be sent)
Box 1492/ElPaso, Texas 79978

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	J	31	22S	27E	Yes	October, 1971

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion – (X)	Oil well	Gas well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Perforations			Depth Casing Shoe

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

V. TEST DATA AND REQUEST FOR ALLOWABLE (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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-Bbls.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

(Signature) W. J. Newman

Senior Vice-President - Production
(Title)

September 26, 1983
(Date)

OIL CONSERVATION DIVISION

APPROVED OCT 25 1983, 19

BY Original Signed By
Leslie A. Clements

TITLE Supervisor District II

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such changes of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

c/s F

RECEIVED BY
AUG 16 1985
O. C. D.
ARTESIA, OFFICE

NEW MEXICO

OIL CONSERVATION DIVISION

P. O. DRAWER DD

ARTESIA, NEW MEXICO

88210

DATE August 15, 1985

NOTICE OF LLANO'S GAS DISCONNECTION:

OPERATOR: Baruch-Foster Corporation ✓

LEASE: Allen

WELL NUMBER AND UNIT: 1 J

LOCATION: 31-22-27

POOL: Carlsbad Morrow South

DATE WELL DISCONNECTED: August 13, 1985

LLANO'S STATION NUMBER: 32

LLANO, INC.
TRANSPORTER

Doyle T. Forrester
REPRESENTATIVE

DOYLE T. FORRESTER

xc: Oil Conservation Division, Box 2088, Santa Fe, New Mexico 87501

El Paso
Natural Gas Company

P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-541-2600

November 10, 1986

RECEIVED BY
NOV 13 1986
O. C. D.
ARTESIA, OFFICE

Oil Conservation Division
State of New Mexico
P. O. Drawer DD
Artesia, New Mexico 88210

Gentlemen:

This is to advise that on 10-20-86 the Baruch-Foster, Allen #1 Morrow gas well located in Unit J of Section 31, Township 22, Range 27, Eddy County, New Mexico was disconnected from El Paso Natural Gas Company's gathering system. This meter is blind plated and will remain on location temporarily, but inoperative until permanent status of the measuring arrangement is determined. The disconnection was due to zone being depleted.

Yours truly,

Robert Patterson

Robert Patterson
Production Coordinator

wa

c: Oil Conservation Division
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87401
Ray McClure - Production Control M/O
Ted Sawyer - Gas Purchases M/O
Operator
H. C. Franklin - Midland
Gary Thurman - Jal
Joe Robinson - Jal Field Lines
O. R. Dakan - Eunice Field Lines
Nevin Foster - Carlsbad
W. M. Kemp - Hobbs
File

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

GAS
SUPPLEMENT
NUMBER ~~XXXX~~ (NW) (SE) AR-657

DATE 11-14-86

NOTICE OF ASSIGNMENT OF ALLOWABLE TO A GAS WELL

The operator of the following well has complied with all the requirements of the Oil Conservation Division and the well is hereby assigned an allowable as shown below.

Date of Connection _____ Date of First Allowable or Allowable Change _____
Purchaser Llano & El Paso Nat. Gas Co. Pool Carlsbad Morrow, South
Operator Baruch-Foster Corp. Lease Allen
Well No. 1 Unit Letter J Sec. 31 Twp. 22 Range 27
Dedicated Acreage 320 Revised Acreage _____ Difference _____
Acreage Factor 1.00 Revised Acreage Factor _____ Difference _____
Deliverability _____ Revised Deliverability _____ Difference _____
A x D Factor _____ Revised A x D Factor _____ Difference _____

Zone Depleted
Disconnect 10-20-86

Lee A. Clement
OCD District No. II

CALCULATION OF SUPPLEMENTAL ALLOWABLE

Previous Status Adjustments .....

MONTH	% OF MO.	PREV. ALLOW.	REV. ALLOW.	PREV. PROD.	REV. PROD.	REMARKS
April						
May						
June						
July						
August						*Well deleted from Schedule.
September						
October						
November						
December						
January						
February						
March						
April						
May						
June						
July						
August						
September						
October						
November						
December						
TOTALS						

Allowable Production Difference .....
Dec. Schedule O/U Status .....
Revised Oct. O/U Status .....

Effective In Jan. Schedule
Current Classification To

Note: All gas volumes are in MCF @ 15.025 psia.

R. L. Stamets, Division Director

By Rick Bruce

Submit 5 Copies
Appropriate District Office
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-104 - Revised 1-1-89
See Instructions at Bottom of Page

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I.

Operator	Well API No.
Hadson Petroleum (USA), Inc.	

Address: P.O. Box 26770, Oklahoma City, OK 73126

Reason(s) for Filing (Check proper box)

- New Well [ ]
- Recompletion [ ]
- Change in Operator [X]
- Other (Please explain) [ ]

Change in Transporter of:
Oil [ ] Dry Gas [ ]
Casinghead Gas [ ] Condensate [ ]

If change of operator give name and address of previous operator: Baruch-Foster Corporation, P.O. Box 26770, Oklahoma City, OK 73126

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease State, Federal or Fee	Lease No.
Allen	1	South Carlsbad (Morrow)	Fee	

Location
Unit Letter J : 1980 Feet From The South Line and 1980 Feet From The East Line
Section 31 Township 22S Range 27E, NMPM, Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil [ ] or Condensate [ ]	Address (Give address to which approved copy of this form is to be sent)
Name of Authorized Transporter of Casinghead Gas [ ] or Dry Gas [XX]	Address (Give address to which approved copy of this form is to be sent)
El Paso Natural Gas Co.	P.O. Box 1492, El Paso, TX 79978

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When ?
					Yes	10/6/76

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Perforations			Depth Casing Shoe

TUBING, CASING AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL *(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)*

Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
			Posted ID-3
Length of Test	Tubing Pressure	Casing Pressure	Choke Size 7-24-92
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas- MCF Orig OP

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: Stephen C. Zamets
Printed Name: Stephen C. Zamets
Title: Engineering Manager
Date: September 9, 1991
Telephone No.: (405) 235-9531

OIL CONSERVATION DIVISION

Date Approved: _____

By: ORIGINAL SIGNED BY MIKE WILLIAMS

Title: SUPERVISOR, DISTRICT II

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
2) All sections of this form must be filled out for allowable on new and recompleted wells.
3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
4) Separate Form C-104 must be filed for each pool in multiply completed wells.

Submit 5 Copies
Appropriate District Office
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-104
Revised 1-1-89
See Instructions
at Bottom of Page

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I.

Operator: Hadson Energy Resources Corporation

Well API No.: 30-015-30255

Address: P.O. Box 25956, Oklahoma City, OK 73125-0956

Reason(s) for Filing (Check proper box)

- New Well [ ]
- Recompletion [ ]
- Change in Operator [X]
- Other (Please explain) [ ]

Change in Transporter of:

- Oil [ ]
- Dry Gas [ ]
- Casinghead Gas [ ]
- Condensate [ ]

If change of operator give name and address of previous operator: Hadson Petroleum (USA), Inc., P.O. Box 26770, Oklahoma City, OK 73126

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease State, Federal or Fee	Lease No.
Allen	1	South Carslbad (Morrow)	Fee	

Location

Unit Letter J : 1980 Feet From The South Line and 1980 Feet From The East Line

Section 31 Township 22S Range 27E , NMPM, Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil [ ] or Condensate [ ] — Address (Give address to which approved copy of this form is to be sent)

Name of Authorized Transporter of Casinghead Gas [ ] or Dry Gas [X] — Address (Give address to which approved copy of this form is to be sent): P.O. Box 1492, El Paso, TX 79978

El Paso Natural Gas Co.

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When ?
					Yes	10/06/76

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Perforations			Depth Casing Shoe

TUBING, CASING AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
			Per FC-3 4-16-93 chg op name

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL *(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)*

Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas- MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Bruce E. Hankins
Signature

Bruce E. Hankins — Engineering Technician
Printed Name — Title

04/06/93 — (405)232-2212
Date — Telephone No.

OIL CONSERVATION DIVISION

Date Approved: APR 1 2 1993

By: ORIGINAL SIGNED BY MIKE WILLIAMS SUPERVISOR, DISTRICT II

Title

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
2) All sections of this form must be filled out for allowable on new and recompleted wells.
3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
4) Separate Form C-104 must be filed for each pool in multiply completed wells.

DISTRICT I
P.O. Box 1980 Hobbs, NM 88241-1980
DISTRICT II
P.O. Box Drawer DD, Artesia, NM 88211-0719
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
DISTRICT IV
P.O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-104
Revised February 10,1994
Instructions on back
Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

1 Operator Name and Address	2 OGRID Number
APACHE ENERGY RESOURCES CORP. 200 POST OAK BLVD., SUITE 100 HOUSTON, TX 77056-4400	9761
	3 Reason for Filing Code: CH 1-1-95

4 API Number	5 Pool Name	6 Pool Code
30-015-20288	Carlsbad MORROW, SOUTH (PRORATED GAS)	73960
7 Property Code	**8 Property Name**	**9 Well No.**
004858	ALLEN	1

10 Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
J	31	22S	27E		1980	South	1980	EAST	EDDY

11 Bottom Hole Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County

12 Lse Code	13 Producing Method Code	14 Gas Connection Date	15 C-129 Permit Number	16 C-129 Effective Date	17 C-129 Expiration Date
S	F				

III. Oil and Gas Transporters

18 Transporter OGRID	19 Transporter Name and Address	20 POD	21 O/G	22 POD ULSTR Location and Description
007057	EL PASO NATURAL GAS CO. BOX 1492 ~~EL PASO, TX 79978~~	1045630	G	

RECEIVED
JUL 06 1995
OIL CON. DIV.
DIST. 3

IV. Produced Water

23 POD	24 POD ULSTR Location and Description
1045650	

V. Well Completion Data

25 Spud Date	26 Ready Date	27 Total Depth	28 PBTD	29 Perforations

30 HOLE SIZE	31 CASING & TUBING SIZE	32 DEPTH SET	33 SACKS CEMENT
			Post ID-3 7-28-95

VI. Well Test Data

34 Date New Oil	35 Gas Delivery Date	36 Date of Test	37 Length of Test	38 Tubing Pressure	39 Casing Pressure
40 Choke Size	**41 Oil - Bbls.**	**42 Water - Bbls.**	**43 Gas - MCF**	**44 AOF**	**45 Test Method**

46 I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: Pamela M. Leighton
Printed Name: PAMELA M. LEIGHTON
Title: CLERK
Date: Telephone: (713)296-7120

OIL CONSERVATION DIVISION

Approved By:
Title: SUPERVISOR, DISTRICT II
Approval Date: JUL 24 1995

47 If this is a change of operator fill in the OGRID number and name of the previous operator
9761 HADSON ENERGY RESOURCES CORP PAMELA M. LEIGHTON CLERK 7/3/95
Previous Operator Signature: Pamela M. Leighton Printed Name Title Date

DeSoto/Nichols 10/94 ver 2.0

Box 1980, Hobbs, NM 88241-1980
DISTRICT II
O. Box Drawer DD, Artesia, NM 88211-0719
DISTRICT III
000 Rio Brazos Rd., Aztec, NM 87410
DISTRICT IV
O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Departm

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-104
Revised February 10 1994
Instructions on back
Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

Operator Name and Address	OGRID Number
Apache Corporation 2000 Post Oak Blvd - Ste 100 Houston, TX 77056-4400	000873
	Reason for Filing Code: CH 11/1/95

API Number	Pool Name	Pool Code
30-015-20288	Morrow, South (Prorated Gas)	73960
Property Code	**Property Name**	**Well No.**
~~004858~~ 18295	Allen	1L

Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
J	31	22S	27E		1980	South	1980	East	Eddy

Bottom Hole Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County

Lse Code	Producing Method Code	Gas Connection Date	C-129 Permit Number	C-129 Effective Date	C-129 Expiration Date
	SI				

III. Oil and Gas Transporters

Transporter OGRID	Transporter Name and Address	POD	O/G	POD ULSTR Location and Description
007057	El Paso Natural Gas Co. P O Box 1492 El Paso, TX 79978	1045630	G	

IV. Produced Water

POD	POD ULSTR Location and Description
1045650	

V. Well Completion Data

Spud Date	Ready Date	Total Depth	PBTD	Perforations

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
			Post ID-3 2-9-96 chg op name

VI. Well Test Data

Date New Oil	Gas Delivery Date	Date of Test	Length of Test	Tubing Pressure	Casing Pressure

Choke Size	Oil - Bbls.	Water - Bbls.	Gas - MCF	AOF	Test Method

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: Julia T. North
Printed Name: Julia T. North
Title: Sr Regulatory Analyst
Date: 1/9/96 Telephone: 713-296-7122

OIL CONSERVATION DIVISION

Approved By: _____
Title: SUPERVISOR, DISTRICT II
Approval Date: JAN 18 1996

If this is a change of operator fill in the OGRID number and name of the previous operator
Apache Energy Resources Corp #9761

Previous Operator Signature: Julia T. North Printed Name: Julia T North Title: Sr Regulatory Analyst Date: 1/9/96

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-104
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] Operator name and Address	[2] OGRID Number
Sabre Operating Inc. P O Box 4848 Wichita Falls, TX 76308-0848	#026460
	[3] Reason for Filing Code CH Effective 5/1/96

[4] API Number	[5] Pool Name	[6] Pool Code
30 - 015-20288	Morrow, South (Prorated Gas)	73960
[7] Property Code 19003 (previously ~~18295~~)	[8] Property Name Allen	[9] Well Number 001L

II. [10] Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
J	31	22S	27E		1980	S	1980	E	Eddy

[11] Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date
	SI				

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] POD	[21] O/G	[22] POD ULSTR Location and Description
~~007057~~	~~El Paso Natural Gas Co.~~ P O Box 1492 El Paso, TX 79978	1045630	G	

IV. Produced Water

[23] POD	[24] POD ULSTR Location and Description
1045650	

V. Well Completion Data

[25] Spud Date	[26] Ready Date	[27] TD	[28] PBTD	[29] Perforations	[30] DHC, DC,MC

[31] Hole Size	[32] Casing & Tubing Size	[33] Depth Set	[34] Sacks Cement

VI. Well Test Data

[35] Date New Oil	[36] Gas Delivery Date	[37] Test Date	[38] Test Length	[39] Tbg. Pressure	[40] Csg. Pressure

[41] Choke Size	[42] Oil	[43] Water	[44] Gas	[45] AOF	[46] Test Method

[47] I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief

Signature: [signature]
Printed name: [signature]
Title: [signature]
Date: 5-15-96 Phone: 817-691-2177

OIL CONSERVATION DIVISION

Approved by: SUPERVISOR, DISTRICT II
Title
Approval Date: MAY 25 1996

[48] If this is a change of operator fill in the OGRID number and name of the previous operator
Apache Corporation #000873

Previous Operator Signature	Printed Name	Title	Date
Julia North	Julia North	Sr Regulatory Analyst	5/9/96

96 1615

NEW MEXICO OIL CONSERVATION DIVISION
P.O. DRAWER DD
ARTESIA, NEW MEXICO 88210

DATE June 4, 1997

Sabre Operating Inc

P.O. Box 4848

Wichita Falls TX 76308-0848

JUN 18 1997

Re: Plugging Reports

Gentlemen:

Form C-103 Report of Plugging for your Allen (Lease) #1 (Well No.) J (Ut.) 31-22-27 (S-T-R)

cannot be approved until an N.M.O.C.D. representative has made an inspection of the location and found it to be cleared to comply with Division Rules and Regulations. Please check each item in the space provided to indicate that the work has been done.

(✓) 1. All pits have been filled and leveled.

(✓) 2. Rat hole and cellar have been filled and leveled.

(✓) 3. A steel marker 4" in diameter and approximately 4' above mean ground level has been set in concrete. It must show the quarter-quarter section or unit designation, section, township and range numbers which have been permanently stenciled or welded on the marker.

(✓) 4. The location has been leveled as nearly as possible to original top ground contour and has been cleared of all junk and equipment.

(✓) 5. The dead men and tie downs have been cut and removed.

(✓) 6. If a one well lease or last remaining well on lease, the battery and burn pit locations have been leveled and cleared of all junk & equipment.

The above are minimum requirements and no plugging bond will be cancelled until all locations for plugged and abandoned wells have been inspected and Form C-103 approved.

When all of the work outlined above has been done, please notify this office by filling in the blank form below and returning this letter to us so that our representative will not have to make more than one trip to the location.

** Land owner requested that 8' cylcone fence be left in place.

Mike Stubblefield
Deputy Oil & Gas Inspector

FILL IN BELOW AND RETURN

I certify that the above work has been done and the above mentioned lease is ready for your inspection and approval.

NAME Fulton Fields

TITLE Agent

Submit 3 Copies to Appropriate District Office

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

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-101
Revised 1-1-89

WELL API NO. 30-015-20288

5. Indicate Type of Lease STATE [ ] FEE [X]

6. State Oil & Gas Lease No. 19003

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name: Allen

1. Type of Well: OIL WELL [ ] GAS WELL [X] OTHER

2. Name of Operator: Sabre Operating, Inc.

8. Well No. 001U

3. Address of Operator: P.O. Box 4848 Wichita Falls, TX 76308-0848

9. Pool name or Wildcat: Carlsbad Strawn, South

4. Well Location
Unit Letter J : 1980 Feet From The South Line and 1980 Feet From The East Line

Section 31 Township 22S Range 27E NMPM Eddy County

10. Elevation (*Show whether DF, RKB, RT, GR, etc.*) 3187' GL

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 [X]
PULL OR ALTER CASING [ ]		CASING TEST AND CEMENT JOB [ ]	
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.

(1) 11300'-11261' CIBP+4sx.
(2) 10200'-10161' CIBP+4sx.
(3) Circ. Hole With 10# Salt Water Gel.
(4) 9068'-8833' 25sx. Class "H" (Tag w/Tbg.)
(5) 8066'-7829' 25sx. Class "H"
(6) 5420'-5183' 25sx. Class "H"
(7) 4050'-3950' 45sx. Class "H" 50' in 50' out 5½" Stub. (Tag w/Tbg.)
(8) 3040'-2910' 45sx. Class "H" (Tag w/WL)
(9) 2650'-2466' 45sx. Class "H" 8-5/8" Shoe (Tag w/WL)
(10) 1137'-1067' 75sx. Class "H" 50' in 50' Out 8-5/8" Stub (Tag w/Tbg.)
(11) 400-322' 100sx. Class "H" 12-3/4" Shoe (Tag w/Tbg.)
(12) 30'-3' 25sx. Class "H" Surface
(13) Install Dry Hole Marker

Post ID-2
6-6-97
P&A

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

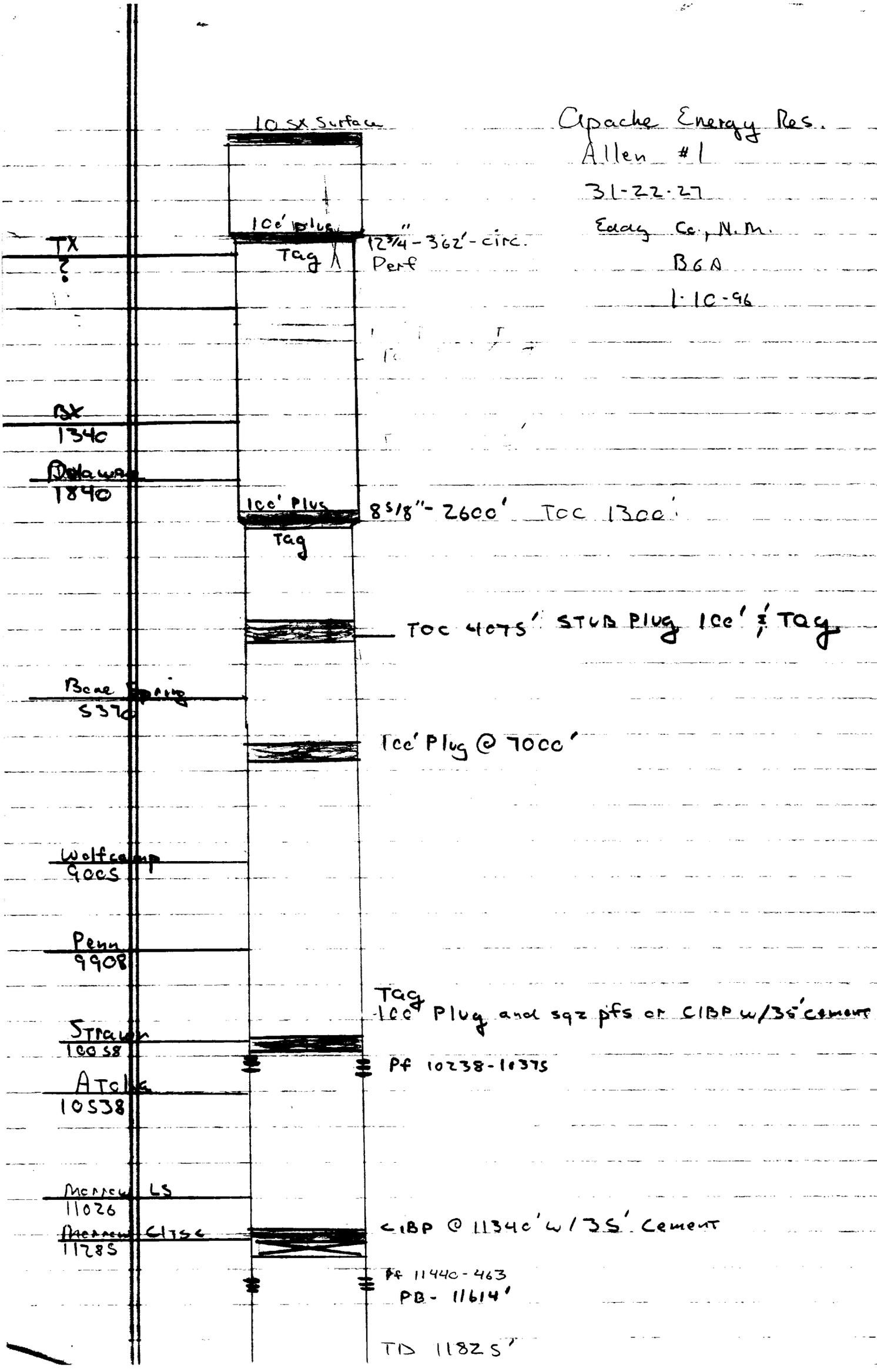
SIGNATURE Frelan Fields TITLE Agent DATE 5/13/97

TYPE OR PRINT NAME Frelan Fields TELEPHONE NO. (915) 366-1852

(This space for State Use)

APPROVED BY [signature] TITLE FO DATE 6-11-97

CONDITIONS OF APPROVAL, IF ANY:



Apache Energy Res.
Allen #1
31-22-27
Eddy Co., N.M.
BGA
1-10-96

DUAL OR MULTIPLE COMPLETION DATA SHEET

Hadson Energy Res. Corp., Allen #1 J-31-22-27
Operator Well S.T.R.

Order No. R-4056 11/6/90 Pools S. Carlsbad Morrow
S. Carlsbad Strawn

Packer Leakage Test Data

Test Date	Approval Date	Test Date	Approval Date
9/7-8/93	7/7/94		
9/14-15/94	10/6/94		
10/16-17/95	11/6/95		
9-10-96	11-4-96		

DUAL OR MULTIPLE COMPLETION DATA SHEET

Operator | Well | S.T.R.

Order No. E. U C S 6 / 11-6-70 Pools

PACKER LEAKAGE TEST DATA

Test Date	Approval Date	Test Date	Approval Date
10-3-70	1-15-71	7/4-8/81	8/11/81
15+16-73	1-22-73	8/4-8/82	9/24/82
9-12-13-73	10-17-73	10/16-19/83	10/24/83
12-2-3-74	12-12-74	9/18-21/84	10/16/84
10-26-27-75	11-3-75	10/7-9/85	11/13/85
11-2-3-76	12-30-76	12/2-4/86	1-7-87
11/30-12/3-77	12/14/77	10/7-8/87	10/22/87
8/11-8/15-78	9/15/78	10/13,14/88	10/26/88
11/5/6/79	12/7/79	9-14-15-89	9-28-89
6/30-7/4/80	7/14/80	9-18,19-90	10-17-90
		8-27,28-91	9-23-91
		10-27,28-92	11-13-92

Continued On Page 2

RECEIVED

Adopted
1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION

PACKER SETTING REPORT

I, R. M. Williams, being of lawful age and having full
Name of party making report

knowledge of the facts hereinbelow set out do state:

That I am employed by Morris R. Antweil in the capacity of

Engineer, that on September 5, 1970

I personally supervised the setting of a Baker Model "D" Packer
Make & type of packer

in Morris R. Antweil, Allen,
Operator of well *Lease name*

Well no. 1 located in the South Carlsbad field,

Eddy county, state of New Mexico, at a subsurface depth of

11,370 feet, said depth measurement having been furnished me by

Schlumberger wire line measurement;

That the purpose of setting this packer was to effect a seal in the annular space between two strings of pipe where the packer was set so as to prevent the commingling, in the bore of this well, of fluids produced from a stratum below the packer with fluids produced from a stratum above the packer; that this packer was properly set and that it did, when set, effectively and absolutely seal off the annular space between the two strings of pipe where it was set in such manner as that it prevented any movement of fluids across the packer.

R M Williams
(Signature)

Agent
(Title)

September 15, 1970
(Date)

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Form C-107
5-1-61

APPLICATION FOR MULTIPLE COMPLETION

Operator	County	Date
Morris R. Antweil	Eddy	2 October 1970
Address	**Lease**	**Well No.**
Box 2010, Hobbs, New Mexico 88240	Allen	1

Location of Well	Unit	Section	Township	Range
	J	31	22-S	27-E

1. Has the New Mexico Oil Conservation Commission heretofore authorized the multiple completion of a well in these same pools or in the same zones witnin one mile of the subject well? YES_____ NO X

2. If answer is yes, identify one such instance: Order No. ---; Operator Lease, and Well No.: ---

3. The following facts are submitted:

	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	South Carlsbad(Strawn)		South Carlsbad(Morrow)
b. Top and Bottom of Pay Section (Perforations)	10238' - 10375'		11440' - 11463'
c. Type of production (Oil or Gas)	Gas		Gas
d. Method of Production (Flowing or Artificial Lift)	Flow		Flow

4. The following are attached. (Please check YES or NO)

Yes	No	
X		a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
X		b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
	X	c. Waivers consenting to such multiple completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.*
X		d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed it shall be submitted as provided by Rule 112-A.)

5. List all offset operators to the lease on which this well is located together with their correct mailing address.

Morris R. Antweil	Box 2010	Hobbs, New Mex. 88240
Superior Oil Company	Box 1900	Midland, Texas 79701
Cities Service Oil Company	800 Vaughn Bldg.	Midland, Texas 79701
Mobil Oil Corporation	Box 633	Midland, Texas 79701
Pennzoil United, Inc.	Box 1828	Midland, Texas 79701
Atlantic Richfield Company	Box 1978	Roswell, New Mex 88201

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES X NO_____. If answer is yes, give date of such notification 5 Oct. 1970-by mail.

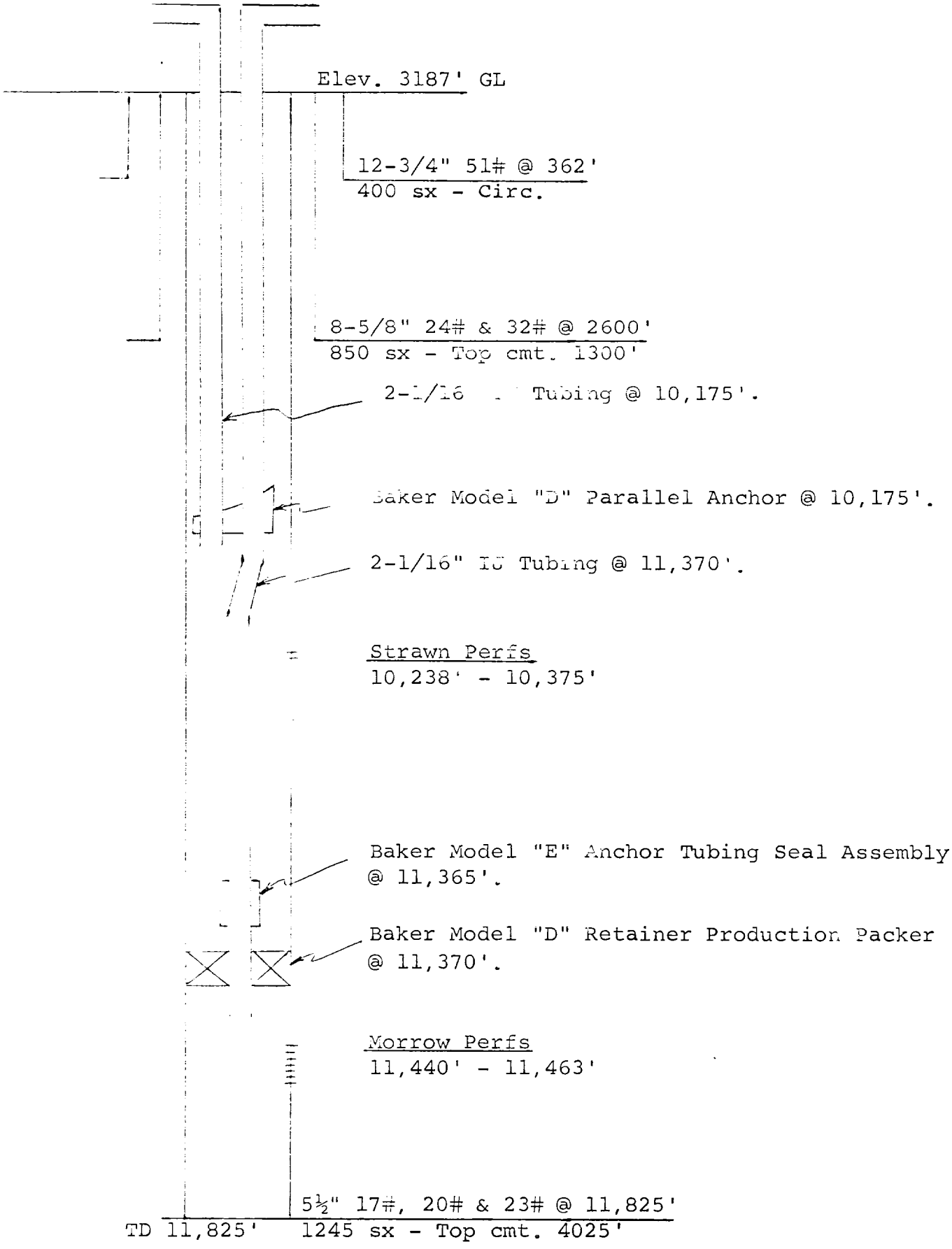
CERTIFICATE: I, the undersigned, state that I am the Agent of the XX Morris R. Antweil (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

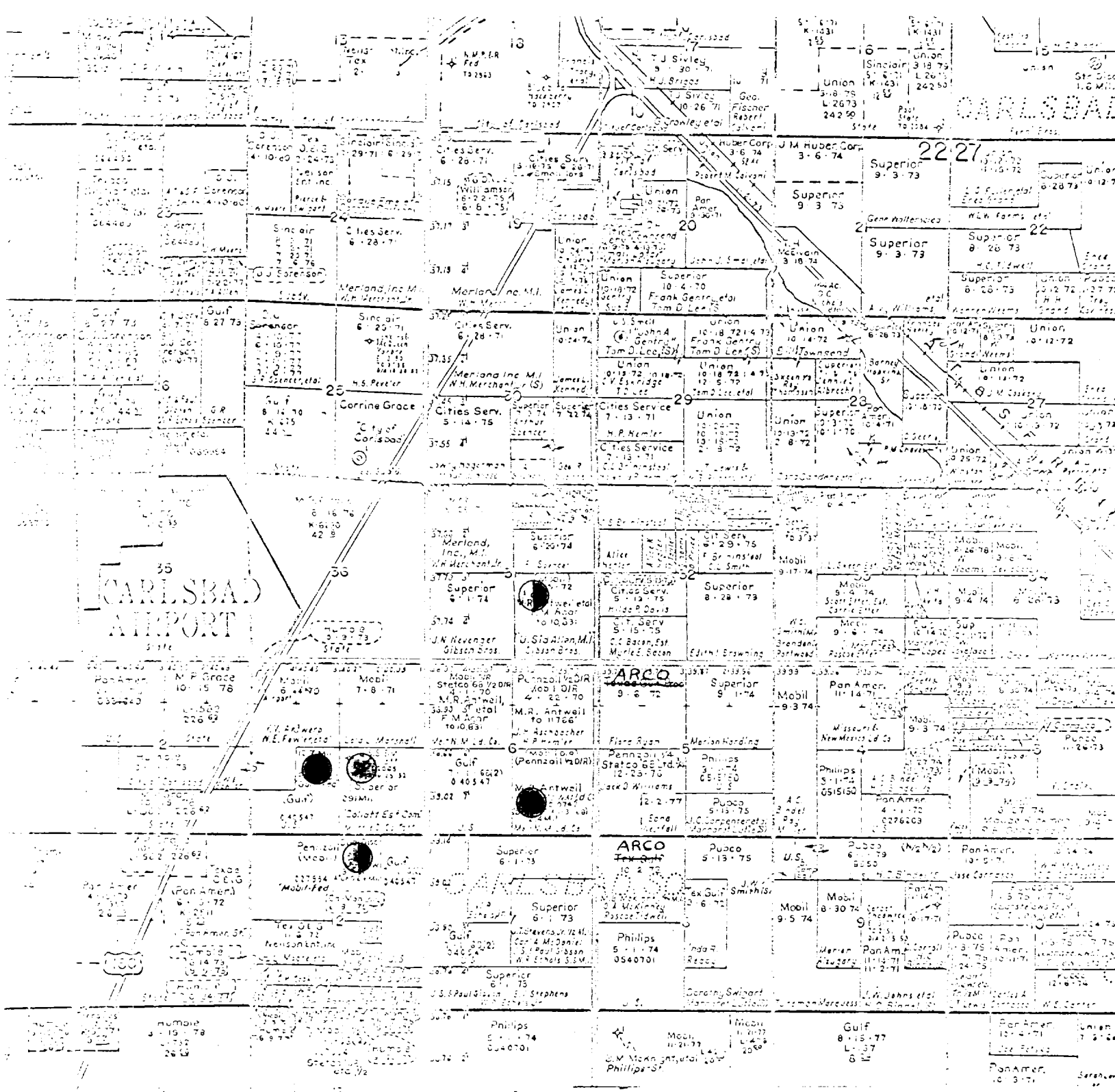
R M Williams
Signature

Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard proration unit in one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

DIAGRAMMATIC SKETCH
MORRIS R. ANTWEIL NO. 1 ALLEN
STRAWN-MORROW DUAL





MORRIS R. ANTWEIL
APPLICATION FOR MULTIPLE COMPLETION
SOUTH CARLSBAD FIELD

- Dedicated Acreage
- Strawn-Morrow Dual
- Strawn Completion
- Morrow Completion
- Atoka-Morrow Dual

RECEIVED

OCT 5 1970

O. C. C.
ARTESIA, OFFICE

October 2, 1970

Mr. A. L. Porter, Jr., Secretary-Director
New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

REFERENCE: Application for Approval of Multiple Completion, South Carlsbad Field, Eddy County.

Dear Sir:

Morris R. Antweil respectfully requests approval of a multiple completion in the South Carlsbad Field, Eddy County, to permit the completion of our No. 1 Allen, located in Section 31-22S-37E, as a gas-gas, Strawn-Morrow dual completion. Commission Form C-107, Application for Multiple Completion, accompanied by the required supplemental information, is enclosed.

The Commission has previously authorized a multiple completion in the South Carlsbad Field; however, that dual completion is not in the same common sources of supply as those involved in the No. 1 Allen. The Pennzoil United No. 1 Mobil-Federal in Section 12-23S-26E is completed and currently producing as an Atoka-Morrow (10,840'-10,870' and 11,450'-11,550') dual completion. The Atoka interval is located stratigraphically between the Strawn and Morrow intervals requested for multiple completion approval in the No. 1 Allen.

The gamma ray-sonic log accompanying the enclosed Form C-107 clearly shows the separate completion intervals in the Strawn and Morrow formations to be distinct reservoir developments separated by more than 1000 feet of nonporous formation. The Strawn reservoir development is in a limestone formation; while the Morrow is a sandstone. The enclosed summary of drill stem test information obtained while drilling the No. 1 Allen indicates the two reservoirs to have different reservoir pressures. The reservoir pressure in the Strawn is indicated to be 5486 psi; while the Morrow pressure is indicated to be 4796 psi. In addition, the drill stem test information indicates the Strawn gas production to be accompanied by condensate; while the Morrow gas is dry.

In view of the previous authorization of a multiple completion in the South Carlsbad Field involving an interposing interval, and the distinctly separate reservoir developments in the Strawn and Morrow formations, Morris R. Antweil requests administrative approval of the multiple completion of the No. 1 Allen as a Strawn-Morrow dual. If administrative approval cannot be granted, we request that our application be set for public hearing at the earliest available date. Your favorable consideration of our application will be appreciated.

Respectfully,

MORRIS R. ANTWEIL

R. M. Williams

RMW/lm

Enclosures

NO. OF COPIES RECEIVED		
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SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

RECEIVED
OCT 13 1970
O. C. C.
ARTESIA, OFFICE

Form C-103
Supersedes Old C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State ☐ Fee ☒

5. State Oil & Gas Lease No.
- - - - -

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT —" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL ☐ GAS WELL ☒ OTHER-

7. Unit Agreement Name
- - - - -

2. Name of Operator
Morris R. Antweil

8. Farm or Lease Name
Allen

3. Address of Operator
Box 2010, Hobbs, New Mexico 88240

9. Well No.
1

4. Location of Well
UNIT LETTER **J**, **1980** FEET FROM THE **South** LINE AND **1980** FEET FROM THE **East** LINE, SECTION **31** TOWNSHIP **22-S** RANGE **27-E** NMPM.

10. Field and Pool, or Wildcat
South Carlsbad

15. Elevation *(Show whether DF, RT, GR, etc.)*
3627' GL

12. County
Eddy

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☐	
OTHER ☐		OTHER **Completion** ☒	

17. Describe Proposed or Completed Operations *(Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work)* SEE RULE 1103.

TD 11,815' PBTD 10,492'. Perforated Strawn interval @ 10,238', 10,245', 10,252', 10,256', 10,272', 10,274', 10,277', 10,281', 10,289', 10,292', 10,297', 10,300', 10,303', 10,309', 10,311', 10,333', 10,337', 10,340', 10,344', 10,347', 10,352', 10,362', 10,366', 10,368', and 10,375', with one jet shot at each depth (25 holes.) Ran treating packer and retrievable bridge plug on 2-3/8" tubing. Treated perfs 10,333'- 10,375' w/2500 gals. acid, 3-5 b/m, max. pressure 4800 psi, 15 ball sealers. Moved packer and bridge plug. Treated perfs 10,238' - 10,311' w/4,000 gals. acid, 3-5 b/m, max. pressure 5,100 psi, 22 ball sealers. Pulled tbg. packer and bridge plug. Retrieved bridge plug @ 10,492'. Prep to run dual tubing strings.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED C M Williams TITLE **Agent** DATE **10-12-70**

APPROVED BY W. A. Gressett TITLE [illegible] DATE OCT 15 1970

CONDITIONS OF APPROVAL, IF ANY:

NE MEXICO OIL CONSERVATION COMMS. N

RECEIVED

Form C-122
Revised 9-1-65

JAN 14 1971

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 10-3-70	O. C. C. ARTESIA, OFFICE
Company: Morris R. Antweil			Connection: None		
Pool: ~~Wildcat~~ Strawn			Formation: Strawn		Unit
Completion Date: 10-3-70	Total Depth: 11,825		Plug Back TD: 11,614	Elevation: 3204 DF	Farm or Lease Name: Allen
Csg. Size: 5.5	Wt.: 12-23	d	Set At: 11,825	Perforations: From 10,238 To 10,375	Well No.: 1-UT
Tbg. Size: 2-1/16	Wt.: 3.25	d: 1.75	Set At: 10,166	Perforations: From None To	Unit: J Sec.: 31 Twp.: 22-S Rge.: 27-E
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G. G. Multiple (Dual)				Packer Set At: 11,370	County: Eddy
Producing Thru: Tubing	Reservoir Temp. °F: 171 @ 10,307		Mean Annual Temp. °F	Baro. Press. – P_a: 13.2	State: New Mexico
L: 10307	H: 10307	Gg: .664	% CO_2: ---	% N_2: ---	% H_2S: 0
Prover	Meter Run: 3"		Taps: Flange		

	FLOW DATA					TUBING DATA		CASING DATA		
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI							4243	60	N A		72 Hrs.
1.	3.068	x	1.500	792	14.0	65	4031	78			1 Hr.
2.	3.068	x	1.500	818	20.5	70	3968	78			1 Hr.
3.	3.068	x	1.500	819	27.5	64	3898	78			.5 Hrs.
4.	3.068	x	1.500	927	47.0	57	3684	78			1 Hr.
5.											

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	11.13	106.2	805.2	.9952	1.227	1.087	1569
2	11.13	130.5	831.2	.9905	1.227	1.087	1919
3	11.13	151.3	832.2	.9962	1.227	1.090	2244
4	11.13	210.2	940.2	1.003	1.227	1.109	3193
5							

NO.	P_t	Temp. °R	T_r	Z
1	1.20	525	1.39	
2	1.24	530	1.40	
3	1.24	524	1.39	
4	1.40	517	1.37	
5				

Gas Liquid Hydrocarbon Ratio 26.382 Mcf/bbl.

A.P.I. Gravity of Liquid Hydrocarbons 58.1 Deg.

Specific Gravity Separator Gas .664 XXXXXXXXX

Specific Gravity Flowing Fluid XXXXX .771

Critical Pressure 670 P.S.I.A. 666 P.S.I.A.

Critical Temperature 378 R 415 R

P_c 4256.2 P_c^2 18115

NO	P_w	P_w^2	$P_c^2 - P_w^2$
1	4069.2	16558	1557
2	4031.2	16251	1863
3	3993.3	15946	2169
4	3843.9	14776	3339
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{18115}{3339}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 5.425$

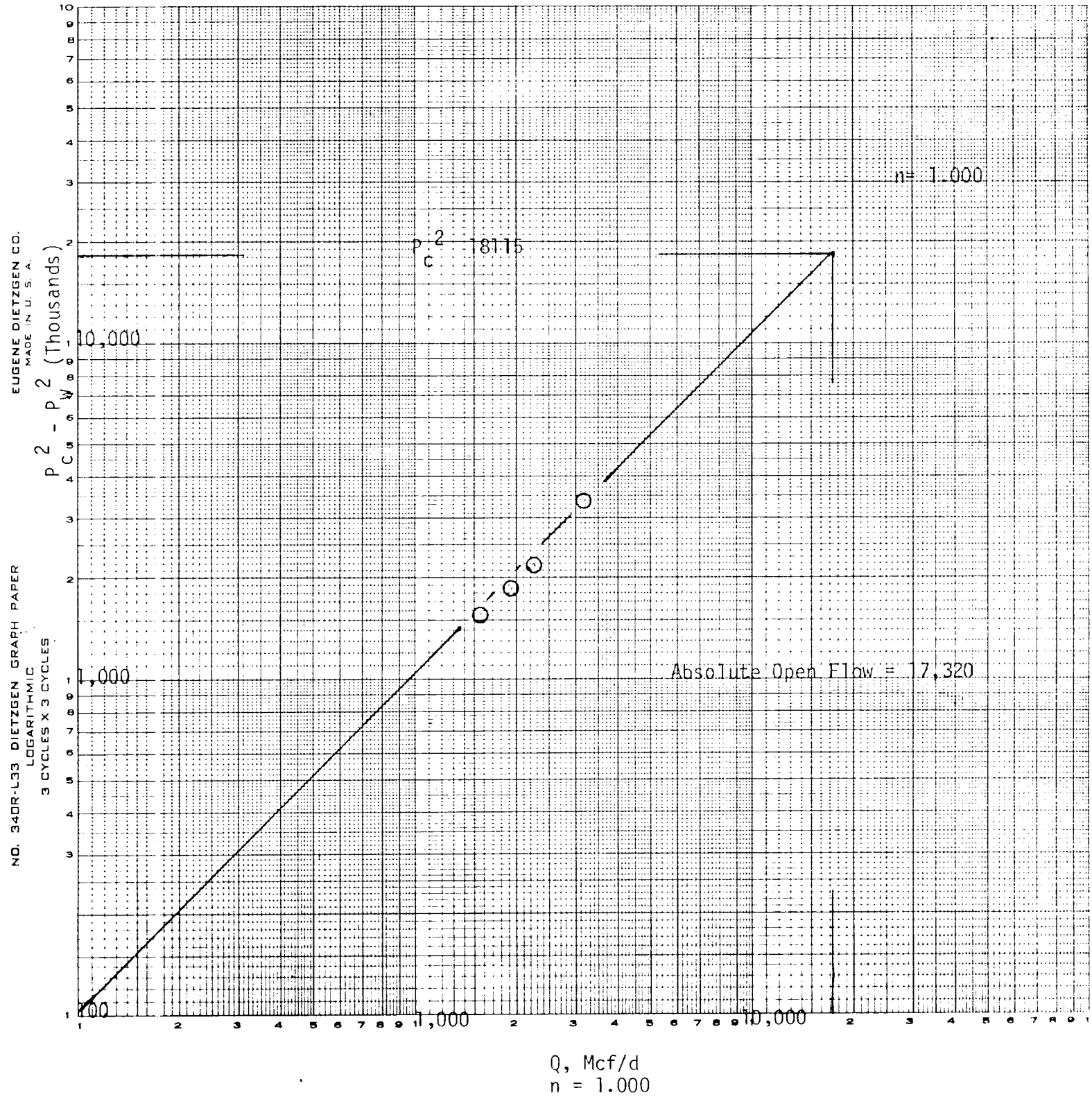
$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 17322$

Absolute Open Flow 17,320 Mcfd @ 15.025 Angle of Slope θ 45° Slope, n 1.0000

Remarks:

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Bill Kerley	Larry Cone	Larry Cone

Company : Morris R. Antwei
Well : Allen No. 1-UT
Location : 31 - 22S -27E
County : Eddy
Date : 10-3-70



N MEXICO OIL CONSERVATION COMMISSI

WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

Operator	Lease	Well No.
Morris R. Antweil	Allen	1

Unit Letter	Section	Township	Range	County
J	31	22 South	27 East	Eddy

Actual Footage Location of Well:
1980 feet from the South line and 1980 feet from the East line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3187	Strawn	South Carlsbad	320 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

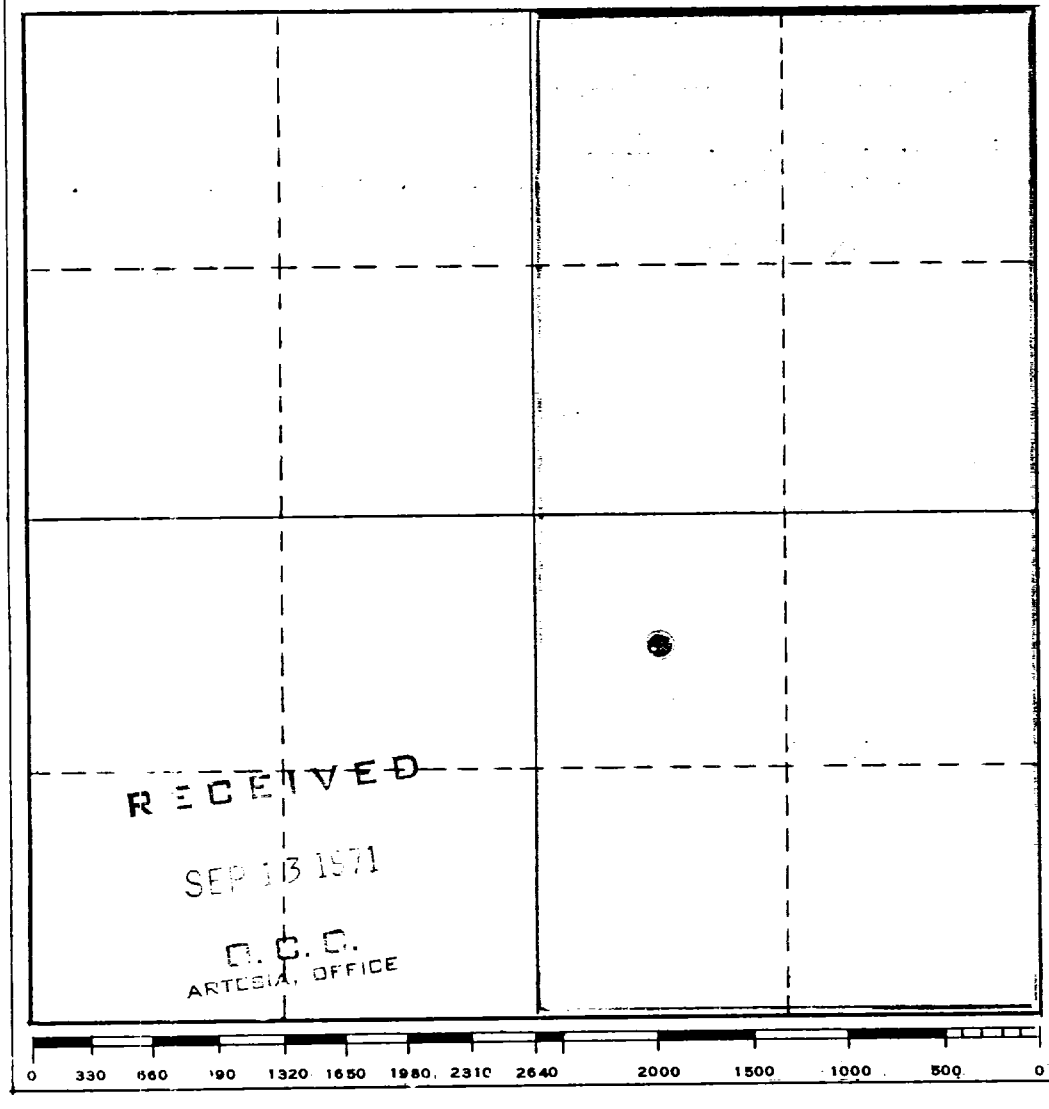
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). See reverse side.

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?

[X] Yes [ ] No If answer is "yes," type of consolidation Communitization

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

R M Williams

Name: R. M. Williams

Position: Agent

Company: Morris R. Antweil

Date: 10 September, 1971

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

Certificate No.

LEASE A: NE/4 Section 31-22-27

Working Interest Ownership:

3/8- Morris R. Antweil
3/8- Mabee Petroleum Corporation
1/4- Delta Drilling Company

Royalty Interest Ownership:

1/8- Basic Royalty to Various Owners
1/16- ORRI - The Superior Oil Company.

LEASE B: SE/4 Section 31-22-27

Working Interest Ownership:

3/8 - Morris R. Antweil
3/8 - Mabee Petroleum Corporation
1/4 - Delta Drilling Company

Royalty Interest Ownership:

1/8 R.I. - U. S. Allen
1/16 of 7/8 ORRI- Cal-Mon Oil Co. - above 10,831'.

OIL CONSERVATION COMMISSION

BOX 2045

HOBBS, NEW MEXICO

RECEIVED
OCT 14 1971
O. C. C.
ARTESIA, OFFICE

NOTICE OF GAS CONNECTION

DATE October 12, 1971

This is to notify the Oil Conservation Commission that connection for the purchase of gas from the Morris R. Antweil Operator/Allen #1 Strawn Lease,

J Well Unit, Sec. 31-22S-27E S.T.R., S. Carlsbad (Strawn) Pool, Llano, Inc. Name of Pipeline Company,

was made on October 4, 1971.

LLANO, INC.

PIPELINE COMPANY

M. L. Smith

Representative

VICE-PRESIDENT - OPERATIONS

Title

cc: To operator
Oil Conservation Commission - Santa Fe

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	GAS	
OPERATOR		
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NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-110
Effective 1-1-65

RECEIVED
SEP 13 1971
O. C. C.
ARTESIA, N.M.

I.

Operator: Morris R. Antweil

Address: Box 2010, Hobbs, New Mexico 88240

Reason(s) for filing (Check proper box)
- New Well [X]
- Recompletion [ ]
- Change in Ownership [ ]
- Change in Transporter of: Oil [ ] Dry Gas [ ] Casinghead Gas [ ] Condensate [ ]
- Other (Please explain)

If change of ownership give name and address of previous owner ---

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Allen	1	South Carlsbad (Strawn)	State, Federal or Fee Fee	

Location: Unit J ; 1980 Feet From The South Line and 1980 Feet From The East

Section 31 Township 22-S Range 27-E, NMPM, Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil [ ] or Condensate [X]: The Permian Corporation	Address (Give address to which approved copy of this form is to be sent): Box 3119 Houston, Texas 77001
Name of Authorized Transporter of Casinghead Gas [ ] or Dry Gas [ ]: Llano, Inc.	Address (Give address to which approved copy of this form is to be sent): Box 1320 Hobbs, New Mex. 88240

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	N	31	22	27	No ~~Yes~~	~~16 Sept. 71~~ 10-4-71

If this production is commingled with that from any other lease or pool, give commingling order number: ~~pending~~

IV. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		X	X					

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
3-4-70	10-3-70	11,825'	11,614'
Elevations (DF, RKB, RT, GR, etc.,	**Name of Producing Formation**	**Top Oil/Gas Pay**	**Tubing Depth**
3187' GL	Strawn	10,238'	10,175'
Perforations			**Depth Casing Shoe**
10,238' - 10,375' - 25 holes			11,825'

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
17"	12-3/4"	362'	400 sx.
11"	8-5/8"	2600'	850 sx.
7-7/8"	5-1/2"	11825'	1245 sx.
	2-1/16"	10175'	

V. TEST DATA AND REQUEST FOR ALLOWABLE *(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)*

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 - Bbls.**	**Gas - MCF**

GAS WELL

Actual Prod. Test: MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
3125	1 hr.	34.3	58.1°
Testing Method (pitot, back pr.)	**Tubing Pressure (Shut-in)**	**Casing Pressure (Shut-in)**	**Choke Size**
Back Pressure	4243 psig	----	12/64

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

E M Williams
(Signature)

Agent
(Title)

10 Sept. 71
(Date)

OIL CONSERVATION COMMISSION

APPROVED OCT 14 1971, 19 ---

BY W. A. Gressett

TITLE OIL AND GAS INSPECTOR

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

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OPERATOR		

Form C-105
Revised 1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED
JAN 14 1971
O. C. C.
ARTESIA, OFFICE

5a. Indicate Type of Lease: State [ ] Fee [X]

5. State Oil & Gas Lease No.: ----

7. Unit Agreement Name: ----

8. Farm or Lease Name: Allen

9. Well No.: 1

10. Field and Pool, or Wildcat: South Carlsbad (Strawn)

1a. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] DRY [ ] OTHER

b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [ ] DEEPEN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] OTHER

2. Name of Operator: Morris R. Antweil

3. Address of Operator: Box 2010, Hobbs, New Mexico 88240

4. Location of Well: UNIT LETTER J LOCATED 1980 FEET FROM THE South LINE AND 1980 FEET FROM THE East LINE OF SEC. 31 TWP. 22-S RGE. 27-E NMPM

12. County: Eddy

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Cashinghead
3-4-1970	8-27-1970	10-3-1970	3,187'GL	----

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
11,825'	11,614'	Two Zones	→	360'-11825'	0-360'

24. Producing Interval(s), of this completion — Top, Bottom, Name: 10,238' - 10,375' Strawn

25. Was Directional Survey Made: No

26. Type Electric and Other Logs Run: Gamma-Sonic, MLL, LL

27. Was Well Cored: No.

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
12-3/4"	51#	362'	17"	400 sx	---
8-5/8"	24 & 32#	2600'	11"	850 sx.	---
5-1/2"	17,20, 23#	11825'	7-7/8"	1245 ex	---

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-1/16"	10,175'	--
2-1/16"	11,370'	11,370'

31. Perforation Record (Interval, size and number) 25 holes @ 10,238; 10245; 10252; 10256; 10272; 10274; 10277; 10281; 10289; 10292; 10297; 10300; 10303; 10309; 10311; 10333; 10337; 10340; 10344; 10347; 10352; 10362; 10366; 10368; and 10375'.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
10,333'-10375'	2500 gals acid.
10238'-10311'	400 gals acid.

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping — Size and type pump)	Well Status (Prod. or Shut-in)
3 Oct. 70	Flowing	Shut-in.

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas — Oil Ratio
3 Oct. 70	1 hr.	12/64					

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)
3684	--		107.3	3125		58.1

34. Disposition of Gas (Sold, used for fuel, vented, etc.): test vented, connection pending

Test Witnessed By: Bill Kerley

35. List of Attachments: C-122, logs, DST summary, deviation record, packer leakage test.

36. *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.*

SIGNED L M Williams TITLE Agent DATE 1-13-1971

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission 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 30 through 34 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				Northwestern New Mexico			
T. Anhy		T. Canyon		T. Ojo Alamo		T. Penn. "B"	
T. Salt	125	T. Strawn	10,186	T. Kirtland-Fruitland		T. Penn. "C"	
B. Salt	1680	T. Atoka	10,538	T. Pictured Cliffs		T. Penn. "D"	
T. Yates		T. Miss	11,076	T. Cliff House		T. Leadville	
T. 7 Rivers		T. Devonian		T. Menefee		T. Madison	
T. Queen		T. Silurian		T. Point Lookout		T. Elbert	
T. Grayburg		T. Montoya		T. Mancos		T. McCracken	
T. San Andres		T. Simpson		T. Gallup		T. Ignacio Qtzte	
T. Glorieta		T. McKee		Base Greenhorn		T. Granite	
T. Paddock		T. Ellenburger		T. Dakota		T.	
T. Blinebry		T. Gr. Wash		T. Morrison		T.	
T. Tubb		T. Granite		T. Todilto		T.	
T. Drinkard		T. Delaware Sand		T. Entrada		T.	
T. Abo		T. Bone Springs	5370	T. Wingate		T.	
T. Wolfcamp	9005	T. 3rd. BoneSprings8355		T. Chinle		T.	
T. Penn.		T. Morrow 11076		T. Permian		T.	
T. Cisco (Bough C)		T.		T. Penn. "A"		T.	

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	1080	1080	Red Bed-Anhy.-Salt				
1080	1980	900	Anhy.-Salt				
1980	5360	3380	Sand-Shale-Anhy.				
5360	9365	3605	Lime-Dolo.-Anhy. Shale				
9365	10940	1575	Lime-Anhy-Shale				
10940	11825	1285	Lime-Dolo.-Shale-Sand.				

NEW MEXICO OIL CONSERVATION COMMS N

Form C-122
Revised 9-1-65

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

RECEIVED

Type Test: ☐ Initial ☒ Annual ☐ Special			Test Date: 11-12-71	
Company: Morris R. Antweil ✓	Connection: Llano, Inc.			OFFICE
Pool: South Carlsbad Strawn	Formation: Strawn			Unit
Completion Date: 10-3-70	Total Depth: 11825'	Plug Back TD: 11614'	Elevation: 3264' DF	Farm or Lease Name: Allen
Csg. Size: 5.5 / Wt.: 12.23 / d: - / Set At: 11825'		Perforations: From 10238' To 10375'		Well No.: 1 UT
Tbg. Size: 2 1/16 / Wt.: 3.25 / d: 1.75 / Set At: 10166'		Perforations: From open To ended		Unit: J / Sec.: 31 / Twp.: 22s / Rge.: 27e
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G.G. Multriple (Dual)		Packer Set At: 11370'		County: Eddy
Producing Thru: Tubing	Reservoir Temp. °F: 171 @ 10150	Mean Annual Temp. °F: 60	Baro. Press. – P_a: 13.2	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
10307'	-	0.642	0.62	0.36	0.00		X	F

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press. p.s.i.g. DWT	Temp. °F	CASING DATA Press. p.s.i.g.	Temp. °F	Duration of Flow
SI							3875				48.0 hrs
1.	4		10/64 1.75	450	25	82	3810	72	DUAL		1.0
2.	4		11/64 1.75	450	36	70	3733	72	-	-	1.0
3.	4		12/64 1.75	450	48	66	3694	72	-	-	1.0
4.	4		13/64 1.75	470	60	63	3650	72	-	-	1.0
5.											

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	14.93	107.61	463.2	0.9795	1.248	1.039	2040.6
2	14.93	129.13	463.2	0.9905	1.248	1.043	2485.7
3	14.93	149.10	463.2	0.9943	1.248	1.044	2883.8
4	14.93	170.27	483.2	0.9971	1.248	1.047	3312.0
5							

NO.	P_t	Temp. °R	T_r	Z
1	0.69	542	1.47	0.926
2	0.69	530	1.44	0.920
3	0.69	526	1.43	0.918
4	0.72	523	1.42	0.913
5				

Gas Liquid Hydrocarbon Ratio 3.146 Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons 57.8 Deg.
Specific Gravity Separator Gas 0.642 xxxxxxxxx
Specific Gravity Flowing Fluid xxxxx
Critical Pressure 673 P.S.I.A. - P.S.I.A.
Critical Temperature 368 R - R

P_c 5098.2 P_c^2 25991.6

NO	P_t	P_w *	P_w^2	$P_c^2 - P_w^2$
1	-	5041.2	25413.7	577.9
2	-	5020.2	25202.4	789.2
3	-	4997.2	24972.0	1019.6
4	-	4971.2	24712.8	1278.8
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 25.492$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 7.50$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 20475$

Absolute Open Flow 20500 Mcfd @ 15.025 Angle of Slope θ 58° 57' Slope, n 0.602

Remarks: BHP @ (-7103') 10307' used for pressure calculations

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	COLEMAN PET. ENG.	JOE A. COLEMAN	JOE A. COLEMAN

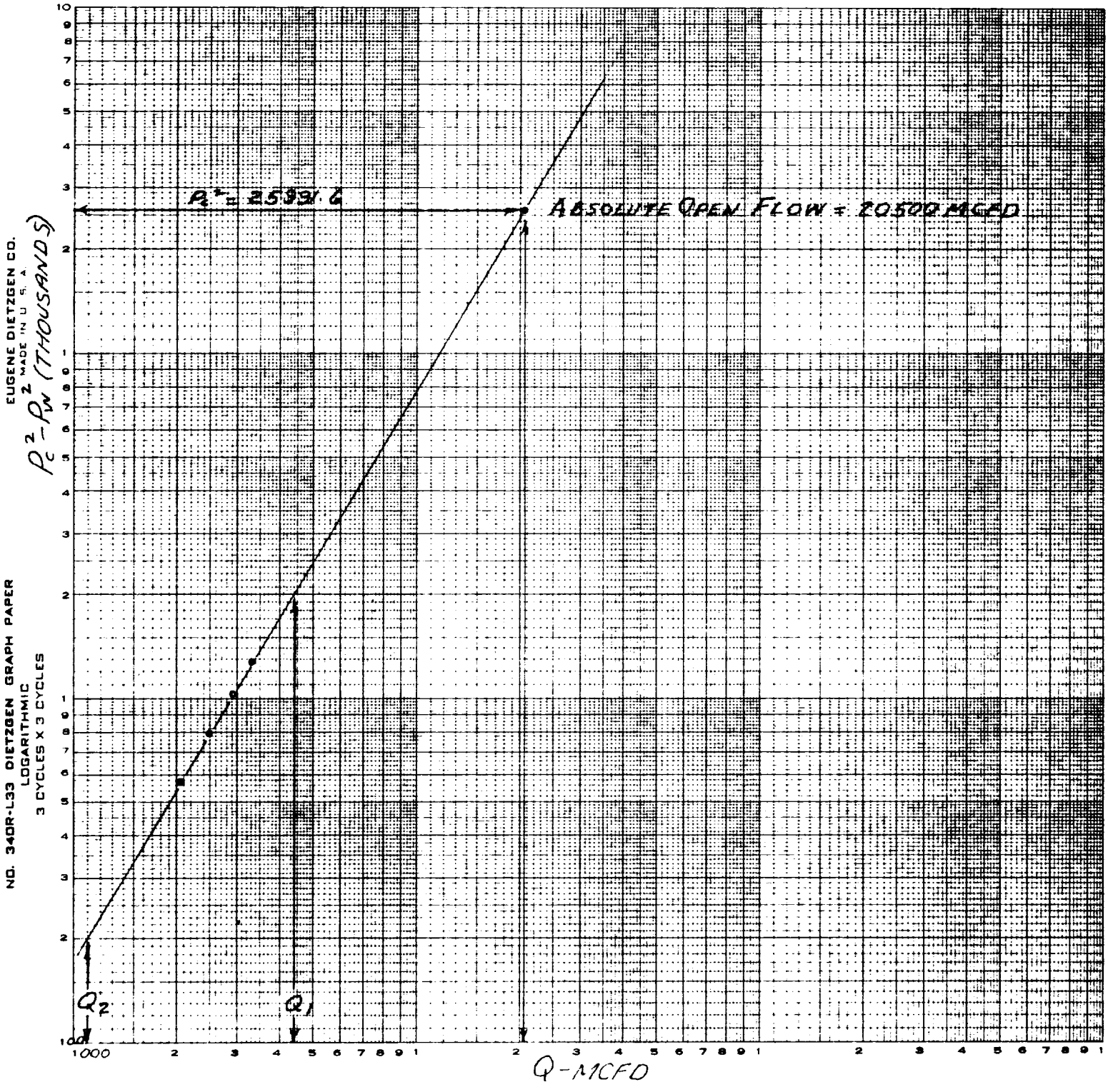
COMPANY MORRIS R. ANTWEIL

WELL ALLE., NO. 1 UT

LOCATION Sec. 31 22 s 27 e

COUNTY EDDY NEW MEXICO

DATE November 12, 1971



$Q_1 = 4400$ MCFD; LOG $Q_1 = 3.64345$

$Q_2 = 1100$ MCFD; LOG $Q_2 = 3.04139$

$n = 0.60206 = 0.602$

NEW MEXICO
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

RECEIVED
APR 5 1973
O. C. D.
ARTESIA, OFFICE

GAS SUPPLEMENT NO. (XXXX) (SS) SE-3558 DATE 3-12-73

NOTICE OF WELL CONNECTION OR AUTHORITY TO ASSIGN ALLOWABLE

ALL VOLUMES EXPRESSED IN MCF

The operator of the following well has complied with all the requirements of the Oil Conservation Commission and may be assigned an allowable as shown below.

Date of Connection _____ Date of First Allowable or Allowable Change _____
Purchaser Llano, Inc. Pool Carlsbad Strawn, South
Operator Morris R. Antweil Lease Allen
Well No. 1 Unit Letter J Sec. 31 Twp. 22S Rge. 27E
Dedicated Acreage 320 Revised Acreage _____ Difference _____
Acreage Factor 1.00 Revised Acreage Factor _____ Difference _____
Deliverability _____ Revised Deliverability _____ Difference _____
A x D Factor _____ Revised A x D Factor _____ Difference _____

Production correction DIST. 3

CALCULATION OF SUPPLEMENTAL ALLOWABLE

MONTH	% OF MO.	PROV. ALLOW	REV. ALLOW	PREV. PROD.	REV. PROD.	REMARKS
JANUARY				10246	10241b	Diff. of 92170
FEBRUARY						
MARCH						
APRIL						
MAY						
JUNE						
JULY						
AUGUST						
SEPTEMBER						
OCTOBER						
NOVEMBER						
DECEMBER						
TOTALS						
ALLOWABLE PRODUCTION DIFFERENCE - - - - - -				92170-		
Jan. SCHEDULE O/U STATUS - - - - - -				109064+		
REVISED Jan. O/U STATUS - - - - - -				16894+		
EFFECTIVE IN April SCHEDULE - - - - -						
PREVIOUS PERIOD ADJUSTMENTS - - - - - - -						CURRENT CLASSIFICATION N TO

NOTICE OF SHUT-IN

The following described well has been Shut-in for Failure of Compliance:

Purchaser _____ Pool _____ Date _____
Operator _____ Lease _____
Well No. _____ Unit Letter _____ Sec. _____ Twp. _____ Rge. _____
Effective date of Shut-in _____ Reason for Shut-In _____

A. L. PORTER, Jr., Director
By _____

RECEIVED

JUL 27 1973

O. C. C.
ARTESIA, OFFICE

NEW MEXICO
OIL CONSERVATION COMMISSION
P. O. BOX 2088
SANTA FE, NEW MEXICO

GAS SUPPLEMENT NO. (NW) (SE) SF-3747 DATE 7-5-73

NOTICE OF WELL CONNECTION OR AUTHORITY TO ASSIGN ALLOWABLE

ALL VOLUMES EXPRESSED IN MCF

The operator of the following well has complied with all the requirements of the Oil Conservation Commission and may be assigned an allowable as shown below.

Date of Connection _____ Date of First Allowable or Allowable Change _____
Purchaser LLANO, INC. Pool CARLSBAD STRAWN, SOUTH
Operator MORRIS ANTWEIL Lease ALLEN
Well No. 1 Unit Letter J Sec. 31 Twp. 22S Rnge. 27E
Dedicated Acreage _____ Revised Acreage _____ Difference _____
Acreage Factor _____ Revised Acreage Factor _____ Difference _____
Deliverability _____ Revised Deliverability _____ Difference _____
A x D Factor _____ Revised A x D Factor _____ Difference _____

Production correction DIST. # _____

CALCULATION OF SUPPLEMENTAL ALLOWABLE

MONTH	% OF MO.	PREV. ALLOW	REV. ALLOW.	PREV. PROD.	REV. PROD.	REMARKS
JANUARY						
FEBRUARY						
MARCH						
APRIL						
MAY				9614	53600	+43986
JUNE						
JULY						
AUGUST						
SEPTEMBER						
OCTOBER						
NOVEMBER						
DECEMBER						
TOTALS						
ALLOWABLE PRODUCTION DIFFERENCE - - - - - -				43986-		
May SCHEDULE O/U STATUS - - - - - -				34042+		
REVISED May O/U STATUS - - - - - -				9944-		
EFFECTIVE IN August SCHEDULE - - - - -						
PREVIOUS PERIOD ADJUSTMENTS - - - - - - - -						CURRENT CLASSIFICATION N TO

NOTICE OF SHUT-IN

The following described well has been Shut-in for Failure of Compliance:

Purchaser _____ Pool _____ Date _____
Operator _____ Lease _____
Well No. _____ Unit Letter _____ Sec. _____ Twp. _____ Rnge. _____
Effective date of Shut-in _____ Reason for Shut-In _____

A. L. PORTER, Jr., Director

By _____

OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO
P. O. DRAWER DD - ARTESIA
88210

DIRECTOR
JOE D. RAMEY

LAND COMMISSIONER
PHIL R. LUCERO

STATE GEOLOGIST
EMERY C. ARNOLD

October 20, 1976

Morris R. Antweil
P.O. Box 2010
Hobbs, NM 88240

Re: Allen #1-J-31-22-27
Little Jewel Com.-
#1-F-31-22-27
Saik #1-B-17-22-27
Eddy County, NM

Gentlemen:

To date this office has not received the 1976 Packer Leakage Test Report on the subject wells.

Please submit same at your earliest convenience.

Sincerely yours,

W.A. Gressett

W.A. Gressett
Supervisor, District II

WAG:sm

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TRANSPORTER GAS	2	
OPERATOR	/	
PRORATION OFFICE		

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-110
Effective 1-1-65

RECEIVED
OCT 14 1976
O. C. C.
ARTESIA, OFFICE

I.

Operator: Morris R. Antweil

Address: Box 2010, Hobbs, New Mexico 88240

Reason(s) for filing (Check proper box): additional
New Well ☐ Change in Transporter of: Oil ☐ Dry Gas ☒ X
Recompletion ☐ Casinghead Gas ☐ Condensate ☐
Change in Ownership ☐

Other (Please explain): Effective 1 October, 1976
Split Comm.

If change of ownership give name and address of previous owner _____

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Allen	1	South Carlsbad (Strawn)	State, Federal or Fee Fee	-----

Location
Unit Letter J ; 1980 Feet From The South Line and 1980 Feet From The East
Line of Section 31 Township 22-S Range 27-E , NMPM, Eddy County

II. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☒ The Permian Corp.
Address (Give address to which approved copy of this form is to be sent): Box 3119 Houston Texas 77001

Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒ X
El Paso Natural Gas Co- 93.75%
Address (Give address to which approved copy of this form is to be sent): Box 1320 Hobbs New Mexico Box 1492, El Paso, Texas 79978

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	N	31	22	27	~~No~~ Yes Yes	10-4-71 10-22-76

If this production is commingled with that from any other lease or pool, give commingling order number: R-4195

IV. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Perforations			Depth Casing Shoe

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

V. TEST DATA AND REQUEST FOR ALLOWABLE (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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-Bbls.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

P. M. Wilson
(Signature)

Agent
(Title)

12 October, 1976
(Date)

OIL CONSERVATION COMMISSION

APPROVED OCT 28 1976, 19

BY W. A. Gressett

TITLE SUPERVISOR, DISTRICT II

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

RECEIVED

OCT 28 1976

O. C. C.
ARTESIA, OFFICE

OIL CONSERVATION COMMISSION

P. O. DRAWER DD

ARTESIA, NEW MEXICO 88210

NOTICE OF GAS CONNECTION

Date October 26, 1976

This is to notify the Oil Conservation Commission that connection for the purchase of gas from the Morris R. Antweil (Operator)

Allen #1 (Strawn) (Lease), J (Well & Unit), 31-22-27 (S.T.R.)

South Carlsbad Strawn (Pool), El Paso Natural Gas Co. (Name of Purchaser)

was made on October 22, 1976.

El Paso Natural Gas Co.
Purchaser

Dennis R. Elliott
Representative

Gas Production Status Analyst
Title

TRE: bl
cc: To operator
Oil Conservation Commission - Santa Fe
H. P. Logan
T. J. Crutchfield
Proration
File

Form P-6A (11-67) RECEIVE

NOV 9 1976

O. C. C.
ARTESIA, OFFICE

EL PASO NATURAL GAS COMPANY

DATE Nov. 4 19 76

ADVICE ON WELLS TIED INTO GAS GATHERING SYSTEMS

Name of Producer	Morris R. Antweil (0210)
Well Name and Number	Allen #1 (Strawn)
Location	1980'S, 1980'E, Sec. 31, T-22-S, R-27-E, Eddy Co., NM
Pool Name	South Carlsbad Strawn
Producing Formation	Strawn
Top of Gas Pay	10238
Oil or Gas Well	Gas
Gas Unit Allocation	320 Acres E 1/2
Date Tied Into Gathering Systems	October 22, 1976
Date of First Delivery	October 25, 1976
Gas Gathering System	Carlsbad Gathering System
Processed through Gasoline Plant (yes or no)	No
Station Number	61-720-01
Remarks	

By: [signature] Dispatcher

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	GAS		
OPERATOR			
PRORATION OFFICE			

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-110
Effective 1-1-65

RECEIVED
NOV 1 1977
O. C. D.
ARTESIA, OFFICE

I.

Operator: **Reserve Oil, Inc.**

Address: **312 HBF Building, Midland, Texas 79701**

Reason(s) for filing *(Check proper box)*

- New Well [ ]
- Recompletion [ ]
- Change in Ownership [X]
- Change in Transporter of: Oil [ ] Dry Gas [ ] Casinghead Gas [ ] Condensate [ ]
- Other *(Please explain)*: Change effective 11-1-77

If change of ownership give name and address of previous owner: **Morris R. Antweil, Box 2010, Hobbs, New Mexico 88240**

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Allen	1	South Carlsbad (Strawn)	State, Federal or Fee: Fee	--

Location: Unit Letter J, 1980 Feet From The South Line and 1980 Feet From The East

Line of Section 31 Township 22-S Range 27-E, NMPM, Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil [ ] or Condensate [X]	Address *(Give address to which approved copy of this form is to be sent)*
The Permian Corporation	Box 3119, Houston, Texas 77001
Name of Authorized Transporter of Casinghead Gas [ ] or Dry Gas [X]	Address *(Give address to which approved copy of this form is to be sent)*
Llano, Inc. - 50% El Paso Natural Gas Company - 50%	Box 1320, Hobbs, New Mexico 88240 Box 1492, El Paso, Texas 79978

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	N	31	22	27	Yes Yes	10-4-71 10-22-76

If this production is commingled with that from any other lease or pool, give commingling order number: R-4195

IV. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Elevations *(DF, RKB, RT, GR, etc.,*	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Perforations			Depth Casing Shoe

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

V. TEST DATA AND REQUEST FOR ALLOWABLE

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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-Bbls.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method *(pitot, back pr.)*	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Clarence R. Chandler
(Signature)

District Engineer
(Title)

10-12-77
(Date)

OIL CONSERVATION COMMISSION

APPROVED NOV 1 1977, 19

BY W. A. Gressett

TITLE SUPERVISOR, DISTRICT

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply

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NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-1
Effective 1-1-65

RECEIVED
NOV 18 1977
O. C. C.
Artesia, Texas

I.

Operator
Reserve Oil, Inc.

Address
312 HBF Building, Midland, Texas 79701

Reason(s) for filing *(Check proper box)*
New Well ☐
Recompletion ☐
Change in Ownership ☒
Change in Transporter of: Oil ☐ Dry Gas ☐ Casinghead Gas ☐ Condensate ☐

Other *(Please explain)*
Change effective 11-1-77
Corrected *

If change of ownership give name and address of previous owner Morris R. Antweil, Box 2010, Hobbs, New Mexico 88240

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Allen	1	South Carlsbad (Strawn)	State, Federal or Fee Fee	--

Location
Unit Letter J : 1980 Feet From The South Line and 1980 Feet From The East
Line of Section 31 Township 22-S Range 27-E , NMPM, Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☒	Address *(Give address to which approved copy of this form is to be sent)*
The Permian Corporation	Box 3119, Houston, Texas 77001
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒	Address *(Give address to which approved copy of this form is to be sent)*
Llano, Inc. - 6.25% *	Box 1320, Hobbs, New Mexico 88240
El Paso Natural Gas Company - 93.75% *	Box 1492, El Paso, Texas 79978

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	N	31	22	27	Yes	10-4-71
					Yes	10-22-76

If this production is commingled with that from any other lease or pool, give commingling order number: R-4195

IV. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Elevations *(DF, RKB, RT, GR, etc.)*	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Perforations			Depth Casing Shoe

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

V. TEST DATA AND REQUEST FOR ALLOWABLE

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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-Bbls.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method *(pitot, back pr.)*	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Clarence R. Chandler
(Signature)
District Engineer
(Title)
November 17, 1977
(Date)

OIL CONSERVATION COMMISSION

APPROVED NOV 21 1977, 19

BY W. A. Gressett

TITLE SUPERVISOR, DISTRICT II

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.

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Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

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PRORATION OFFICE			

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-11
Effective 1-1-65

RECEIVED
JUN 16 1978
O. C. C.
ARTESIA, OFFICE

I.

Operator: Delta Drilling Company ✓

Address: P.O. Box 2113 Midland, Texas 79702

Reason(s) for filing (Check proper box)
- New Well [ ]
- Recompletion [ ]
- Change in Ownership [X]
- Change in Transporter of: Oil [ ] Dry Gas [ ] Casinghead Gas [ ] Condensate [ ]

Other (Please explain): change effective 7/1/78

If change of ownership give name and address of previous owner: Reserve Oil, Inc. 312 HBF Building Midland, Texas 79701

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Allen	1	South Carlsbad (Strawn)	State, Federal or Fee Fee	

Location
Unit Letter J ; 1980 Feet From The south Line and 1980 Feet From The east

Line of Section 31 Township 22-S Range 27-E , NMPM, Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil [ ] or Condensate [X]	Address (Give address to which approved copy of this form is to be sent)
The Permian Corporation	Box 1183, Houston, Texas 77001
Name of Authorized Transporter of Casinghead Gas [ ] or Dry Gas [X]	Address (Give address to which approved copy of this form is to be sent)
Llano, Inc. - 6.25% El Paso Natural Gas Company - 93.75%	Box 1320, Hobbs, New Mexico 88240 Box 1492, El Paso, Texas 79978

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	N	31	22	27	yes yes	10/4/71 10/22/76

If this production is commingled with that from any other lease or pool, give commingling order number: R-4195

IV. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Resv.	Diff. Resv.

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Perforations			Depth Casing Shoe

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

V. TEST DATA AND REQUEST FOR ALLOWABLE (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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-Bbls.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

/Ron Brown
(Signature)

Field Project Manager
(Title)

6/15/78
(Date)

OIL CONSERVATION COMMISSION

APPROVED JUN 30 1978, 19

BY W. A. Gressett

TITLE SUPERVISOR, DISTRICT II

This form is to be filed in compliance with RULE 1104.

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Separate Forms C-104 must be filed for each pool in multiply-completed wells.

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RECEIVED BY
OCT 04 1983
O. C. D.
ARTESIA, OFFICE

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. Operator

Baruch-Foster Corporation

Address

1160 One Energy Square/4925 Greenville Avenue/Dallas, Texas 75206

Reason(s) for filing (Check proper box)

New Well [ ]
Recompletion [ ]
Change in Ownership [X]

Change in Transporter of:
Oil [ ] Dry Gas [ ]
Casinghead Gas [ ] Condensate [ ]

Other (Please explain)

If change of ownership give name and address of previous owner Delta Drilling Company/3100-C North "A"/Midland, Texas 79701

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Allen	1	Carlsbad Strawn, South (Gas)	State, Federal or Fee Fee	

Location

Unit Letter J : 1980 Feet From The South Line and 1980 Feet From The East

Line of Section 31 Township 22S Range 27E , NMPM, Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

SCURLOCK PERMIAN CORP EFF 9-1-91

Name of Authorized Transporter of Oil [ ] or Condensate [XX]

Address (Give address to which approved copy of this form is to be sent)

The Permian Corporation — Box 1183/Houston, Texas 77001

Name of Authorized Transporter of Casinghead Gas [ ] or Dry Gas [XX]

Address (Give address to which approved copy of this form is to be sent)

ElPaso Natural Gas Company — Box 1492/ElPaso, Texas 79978

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	N	31	22S	27E	Yes	October, 1971

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Resv.	Diff. Res.

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Perforations			Depth Casing Shoe

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

V. TEST DATA AND REQUEST FOR ALLOWABLE (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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-Bbls.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

(Signature) W. J. Newman

Senior Vice-President - Production
(Title)

September 26, 1983
(Date)

OIL CONSERVATION DIVISION

APPROVED OCT 25 1983, 19

BY Jesse N. Clements

TITLE SUPERVISOR, DISTRICT II

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply

BFC

Baruch-Foster Corporation

4925 GREENVILLE AVENUE
SUITE 1160
DALLAS, TEXAS 75206
214/368-5886

OCT 15 '90
O. C. D.
ARTESIA, OFFICE

October 10, 1990

State of New Mexico
Energy, Minerals and Natural Resources Dept.
Oil Conservation Division
P. O. Drawer DD
Artesia, New Mexico 88211-0719
Attn: Mike Williams

RE: Packer Leakage Test
Allen #1-J-31-22-27
Little Jewel #1-F-31-22-27

Dear Mr. Williams:

Attached are three (3) copies of the test for the captioned wells. As discussed with you yesterday, the charts were lost in the mail but the test was witnessed and approved by Mr. Mike Stubblefield. I hope you will accept and approve this as a valid packer leakage test.

If you have any questions, please contact me at (214) 368-5886.

Yours very truly,

BARUCH-FOSTER CORPORATION

J. F. Ellebracht
Vice President, Production

Attachments

JFE/kas

RESERVE OIL, INC.
THE SOUTHERN DIVISION

312 HBF BUILDING
MIDLAND, TEXAS 79701
(915) 682-4341

November 17, 1977

RECEIVED
NOV 18 1977
O. C. C.
ARTESIA, OFFICE

Oil Conservation Commission
State of New Mexico
P. O. Drawer DD
Artesia, New Mexico 88210

Re: Corrected C-104's
Allen No. 1
J-31-22S-27E
Morrow & Strawn Zones
Eddy County, New Mexico

Gentlemen:

Resubmitted are two corrected C-104's for our newly acquired Allen, Well No. 1, a dual in the South Carlsbad (Strawn) and South Carlsbad (Morrow) Fields. The previous C-104's (10/12/77), submitted to reflect new ownership, were in error as the percentage gas entitlements read Llano, Inc. and El Paso Natural Gas Company both sharing 50% equally.

The gas entitlements should have read: Llano, Inc. = 6.25% and El Paso Natural Gas Company = 93.75%.

Should there be any questions, please call us collect at 915-682-4341.

Very truly yours,

Clarence R. Chandler

ck

Enclosures

Submit 5 Copies
Appropriate District Office
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-104
Revised 1-1-89
See Instructions
at Bottom of Page

CISF GT DP

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I.

Operator	Well API No.
Hadson Energy Resources Corporation	30-015-20288
Address	
P.O. Box 25956, Oklahoma City, OK 73125-0956	

Reason(s) for Filing *(Check proper box)*

New Well	☐	Change in Transporter of:	
Recompletion	☐	Oil ☐	Dry Gas ☐
Change in Operator	☒	Casinghead Gas ☐	Condensate ☐

Other *(Please explain)* ☐

If change of operator give name and address of previous operator: Hadson Petroleum (USA), Inc., P.O. Box 26770, Oklahoma City, OK 73126

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease State, Federal or Fee	Lease No.
Allen	1	South Carlsbad ~~(Morrow)~~ Strawn	Fee	

Location

Unit Letter J : 1980 Feet From The South Line and 1980 Feet From The East Line

Section 31 Township 22S Range 27E , NMPM, Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☐	Address *(Give address to which approved copy of this form is to be sent)*
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒: El Paso Natural Gas Co.	Address *(Give address to which approved copy of this form is to be sent)*: P.O. Box 1492, El Paso, TX 79978

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When ?
					Yes	10/06/76

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Elevations *(DF, RKB, RT, GR, etc.)*	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Perforations			Depth Casing Shoe

TUBING, CASING AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
			Post ID-3 4-16-93 chg of name

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL *(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)*

Date First New Oil Run To Tank	Date of Test	Producing Method *(Flow, pump, gas lift, etc.)*	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas- MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method *(pitot, back pr.)*	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Bruce E. Hankins
Signature

Bruce E. Hankins — Engineering Technician
Printed Name — Title

04/06/93 — (405)232-2212
Date — Telephone No.

OIL CONSERVATION DIVISION

Date Approved APR 12 1993

By ORIGINAL SIGNED BY MIKE WILLIAMS SUPERVISOR, DISTRICT II

Title

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
2) All sections of this form must be filled out for allowable on new and recompleted wells.
3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
4) Separate Form C-104 must be filed for each pool in multiply completed wells.

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
ARTESIA DISTRICT OFFICE

BRUCE KING
GOVERNOR

New Mexico DRUG FREE It's a State of Mind!

ANITA LOCKWOOD
CABINET SECRETARY

May 4, 1994

Hadson Energy Res. Corp.
P.O. Box 25956
Okla City, OK 73125-0956

Re: Delinquent Packer Leakage Tests
Allen #1 J-31-22S-27E and Little Jewel #1 F-31-22S-27E

Segregation and/or packer leakage tests are to be run on the above wells and filed with this office annually by October 15.

To date, annual tests for 1993 have not been submitted on either of the subject wells. Packer leakage tests should be conducted as soon as possible and this office notified 24 hours in advance, in order that the tests may be witnessed.

Southeast New Mexico Packer Leakage Test forms should be submitted in triplicate and must be accompanied by one original test chart.

Failure to comply could result in cancellation of allowable. If you have any questions concerning this matter or need assistance please feel free to contact Ray Smith or Betty Rollins of this office.

Sincerely,

Ray Smith,
Oil & Gas Inspector, Dist. II

RS:br

ONE PETROLEUM CENTER/BUILDING 8, SUITE 220/3300 NORTH A STREET/MIDLAND, TX 79705

APACHE CORPORATION

915/683-6511 • FAX 915/683-6550

June 22, 1994

RECEIVED

JUN 23 '94

O. C. D.
ARTESIA, OFFICE

State of New Mexico
Energy, Minerals and Natural Resources Department
P. O. Drawer DD
Artesia, NM 88211
Attn: Ray Smith

Re: Little Jewel Com #1
Allen #1

Mr. Smith,

Please find the attached packer leakage tests for the above referenced wells. Hadson Energy Resources Corporation was purchased by Apache Corporation in late 1993. These packer tests were performed during this time but were never filed. Apache will re-run these tests in September, 1994 and forward the results to your office.

Should you have any questions or require additional information, please contact me at (915) 683-6511.

Sincerely,

Apache Corporation

Tim Wall
Production Manager

TOW/sg

attachments

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
ARTESIA DISTRICT OFFICE

BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

October 7, 1994

Apache Corporation
One Pet. Center, Bldg 8, Ste. 220
3300 North A Street
Midland, TX 79705

Tim Wall
Production Manager

Please find enclosed C-104 forms. Our records show Hadson Energy Resources Corp. as operator of Little Jewel Com #1 and Allen #1. In order to update our records we must have on file an approved C-104 changing operator from Hadson to Apache Corporation.

If you have any questions please feel free to contact me this office. (505-748-1283)

Thank You,

Ray Smith
Oil & Gas Inspector

RS:br

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980
DISTRICT II
P.O. Box Drawer DD, Artesia, NM 88211-0719
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
DISTRICT IV
P.O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-104
Revised February 10,1994
Instructions on back
Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

C/SF
CH
CG
CW

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

1 Operator Name and Address	2 OGRID Number
APACHE ENERGY RESOURCES CORP. 200 POST OAK BLVD., SUITE 100 HOUSTON, TX 77056-4400	9761
	3 Reason for Filing Code: CH 1-1-95

4 API Number	5 Pool Name	6 Pool Code
30-015-20288	CARLSBAD STRAWN, SOUTH	74120
7 Property Code	**8 Property Name**	**9 Well No.**
004858	ALLEN	1

10 Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
J	31	22S	27E		1980	South	1980	EAST	EDDY

11 Bottom Hole Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County

12 Lse Code	13 Producing Method Code	14 Gas Connection Date	15 C-129 Permit Number	16 C-129 Effective Date	17 C-129 Expiration Date
F					

III. Oil and Gas Transporters

18 Transporter OGRID	19 Transporter Name and Address	20 POD	21 O/G	22 POD ULSTR Location and Description
007057	EL PASO NATURAL GAS CO. BOX 1492 EL PASO, TX 79978	1045630	G	
007057	EL PASO NATURAL GAS CO. BOX 1492 ~~EL PASO, TX 79978~~	1045610	O	

RECEIVED
JUL 06 1995
OIL CON. DIV.
DIST. 2

IV. Produced Water

23 POD	24 POD ULSTR Location and Description
1045650	

V. Well Completion Data

25 Spud Date	26 Ready Date	27 Total Depth	28 PBTD	29 Perforations

30 HOLE SIZE	31 CASING & TUBING SIZE	32 DEPTH SET	33 SACKS CEMENT
			Pool ID-3 7-28-95 chg op

VI. Well Test Data

34 Date New Oil	35 Gas Delivery Date	36 Date of Test	37 Length of Test	38 Tubing Pressure	39 Casing Pressure
40 Choke Size	**41 Oil - Bbls.**	**42 Water - Bbls.**	**43 Gas - MCF**	**44 AOF**	**45 Test Method**

46 I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: Pamela M. Leighton
Printed Name: PAMELA M. LEIGHTON
Title: CLERK
Date:
Telephone: (713)296-7120

OIL CONSERVATION DIVISION

Approved By:
Title: SUPERVISOR, DISTRICT II
Approval Date: JUL 21 1995

47 If this is a change of operator fill in the OGRID number and name of the previous operator

OGRID	Previous Operator	Signature	Printed Name	Title	Date
9761	HADSON ENERGY RESOURCES CORP	Pamela M. Leighton	PAMELA M. LEIGHTON	CLERK	7/3/95

DeSoto/Nichols 10/94 ver 2.0

RECEIVED
JUL 0 3 1985
OCD HOBBS
OFFICE

P O Box 1980, Hobbs, NM 88241-1980
DISTRICT II
P O Box Drawer DD, Artesia, NM 88211-0719
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
DISTRICT IV
P O Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Departm.

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-104
Revised February 10,1994
Instructions on back
Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

Operator Name and Address	OGRID Number	Reason for Filing Code
Apache Corporation 2000 Post Oak Blvd - Ste 100 Houston, TX 77056-4400	~~9761~~ 873	CH 11/1/95

API Number	Pool Name	Pool Code
30-015-20288	Carlsbad Strawn, South	74120

Property Code	Property Name	Well No.
~~004858~~ 18295	Allen	10

Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
J	31	22S	27E		1980	South	1980	East	Eddy

Bottom Hole Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County

Lse Code	Producing Method Code	Gas Connection Date	C-129 Permit Number	C-129 Effective Date	C-129 Expiration Date

Oil and Gas Transporters

Transporter OGRID	Transporter Name and Address	POD	O/G	POD ULSTR Location and Description
~~007057~~ 20445	~~El Paso Natural Gas Co~~ ~~P O Box 1492~~ Scurlock ~~El Paso, TX 79978~~	1045630	O	
007057	El Paso Natural Gas Co P O Box 1492 El Paso, TX 79978	1045630	G	

RECEIVED

Produced Water

POD	POD ULSTR Location and Description
1045650	

Well Completion Data

Spud Date	Ready Date	Total Depth	PBTD	Perforations

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
			Post ID-3 2-9-96 chg op name

Well Test Data

Date New Oil	Gas Delivery Date	Date of Test	Length of Test	Tubing Pressure	Casing Pressure

Choke Size	Oil - Bbls.	Water - Bbls.	Gas - MCF	AOF	Test Method

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: Julia T. North

Printed Name: Julia T North

Title: Sr Regulatory Analyst

Date: 1/9/96 Telephone: 713/296-6122

OIL CONSERVATION DIVISION

Approved By: SUPERVISOR, DISTRICT II

Title:

Approval Date: JAN 18 1996

If this is a change of operator fill in the OGRID number and name of the previous operator

Apache Energy Resources Corp #9761

Previous Operator Signature: Julia T. North Printed Name: Julia T North Title: Sr Regulatory Analyst Date: 1/9/96

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-104
Revised October 3, 1994
Instructions on back
Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] Operator name and Address	[2] OGRID Number
Sabre Operating Inc. P O Box 4848 Wichita Falls, TX 76308-0848	#026460
	[3] Reason for Filing Code CH Effective 5/1/96

[4] API Number	[5] Pool Name	[6] Pool Code
30 - 015-20288	Carlsbad Strawn, South	74120
[7] Property Code 19003 (previously ~~18295~~)	[8] Property Name Allen	[9] Well Number 001U

II. [10] Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
J	31	22S	27E		1980	S	1980	E	Eddy

[11] Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date
	F				

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] POD	[21] O/G	[22] POD ULSTR Location and Description
007057	El Paso Natural Gas Co P O Box 1492 El Paso, TX 79978	1045630	G	
20445	Scurlock Permian Corp P O Box 4648 Houston, TX 77210	1045610	O	

IV. Produced Water

[23] POD	[24] POD ULSTR Location and Description
1045650	

V. Well Completion Data

[25] Spud Date	[26] Ready Date	[27] TD	[28] PBTD	[29] Perforations	[30] DHC, DC,MC

[31] Hole Size	[32] Casing & Tubing Size	[33] Depth Set	[34] Sacks Cement
			Conf ID: 3
			6-14-96
			dg sp

VI. Well Test Data

[35] Date New Oil	[36] Gas Delivery Date	[37] Test Date	[38] Test Length	[39] Tbg. Pressure	[40] Csg. Pressure
[41] Choke Size	**[42] Oil**	**[43] Water**	**[44] Gas**	**[45] AOF**	**[46] Test Method**

[47] I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: Kathy Macha
Printed name: Kathy Macha
Title: Vice-Pres.
Date: 5-16-96 Phone: 817-696-8077

OIL CONSERVATION DIVISION

Approved by: SUPERVISOR, DISTRICT II
Title:
Approval Date: MAY 25 1996

[48] If this is a change of operator fill in the OGRID number and name of the previous operator
Apache Corporation #000873

Previous Operator Signature	Printed Name	Title	Date
Julia North	Julia North	Sr Regulatory Analyst	5/9/96

Well Selection Criteria Quick Print

(tblWellMaster.api_wellno Like '30015202880000' and WH_SEC = 31 and WH_TWPN = 22 and WH_RNGN = 27)

API Well #	Well Name and No.		Operator Name	Typ	Stat	County	Surf	UL	Se	Twp	Rn	Ft N/S	Ft E/W	UICPrmt
30-015-20288-00-00	ALLEN	001	SABRE OP INC	G	P	Eddy	P	J	31	22 S	27 E	1980 S	1980 E	
30-015-20288-00-00	ALLEN	001	SABRE OP INC	G	P	Eddy	P	J	31	22 S	27 E	1980 S	1980 E	

Please check well status. Everything shows P&A but there is no paper on the plugging.

P/A Date 5/8/1957

Marker in Place

3/31/04

KH

5

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

RECEIVED
DEC 30 2004
OCD-ARTESIA

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-101
May 27, 2004

Submit to appropriate District Office

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

[1] Operator Name and Address	[2] OGRID Number
CHI OPERATING, INC P.O. BOX 1799 MIDLAND, TEXAS 79702	004378
	[3] API Number 30 - 015 - 33788

[5] Property Code	[5] Property Name	[6] Well No.
	ALLEN	3

[9] Proposed Pool 1	[10] Proposed Pool 2

[7] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	31	22S	27E		660	NORTH	1980	EAST	EDDY

[8] Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Additional Well Information

[11] Work Type Code	[12] Well Type Code	[13] Cable/Rotary	[14] Lease Type Code	[15] Ground Level Elevation
N	O	R	P	3176'
[16] Multiple	**[17] Proposed Depth**	**[18] Formation**	**[19] Contractor**	**[20] Spud Date**
	5400'	DELAWARE		2/1/05

Depth to Groundwater	Distance from nearest fresh water well	Distance from nearest surface water
109'	GREATER THAN 660'	GREATER THAN 1000'

Pit: Liner: Synthetic ☒ 12 MIL OR BETTER IF WARRANTED Clay ☐ Pit Volume: _____ bbls Drilling Method:
Closed-Loop System ☐ Fresh Water ☒ Brine ☒ Diesel/Oil-based ☐ Gas/Air ☐

[21] Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12 ¼"	8 5/8"	32#	350	300	CIRC
7 7/8"	5 ½"	15.5#	5400	500	CIRC ~~TIE BACK~~
					To surface
Operator To set surface csg in bed Salado.					
Please refer to offset logs for more information.					

[22] Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

MIRU, DRILL SURFACE HOLE W/FRESH WTR. SET CSG & CEMENT TO SURFACE. WHILE WOC 18 HRS. SET WELLHEAD & TST. INSTALL BOP/MANIFOLD & TST. TST CSG. DRILL PROD. HOLE TO TD W/BRINE WTR. LOG WELL & EVALUATE. SET CSG & CEMENT TO SURFACE/TIE BACK INTO SURFACE.

BOP PIPE RAMS WILL BE FUNCTION TSTD DAILY. BLIND RAMS WILL BE FUNCTION TSTD ON ALL TRIPS.
CLOSEST STRUCTURE IS ±700'.
THERE IS NO H2S EXPECTED. WILL HAVE MONITORING EQUIPMENTEMPLOYEED REGUARDLESS.

[23] I hereby certify that the information given above is true and complete to the best of my knowledge and belief. **I further certify that the drilling pit will be constructed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.**

Printed name: JOHN W. WOLF
Title:
E-mail Address:
Date: 12/28/04 Phone: 432-685-5001

OIL CONSERVATION DIVISION

Approved by: TIM W. GUM
Title: DISTRICT II SUPERVISOR
Approval Date: JAN 03 2005 Expiration Date: JAN 03 2006

Conditions of Approval Attached

NOTIFY OCD OF SPUD & TIME TO WITNESS CEMENTING OF SURFACE & ~~INTERMEDIATE~~ CASING Production

District I
1625 N. French Dr. Hobbs, NM 88240

District II
811 South First, Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec NM 87410

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, N M 87505

Form C-102
Revised March 17, 1999
Submit to Appropriate District Office
State Lease – 4 Copies
Fee Lease – 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name

Property Code	Property Name	Well Number
	ALLEN	3
OGRID No.	Operation Name	Elevation
004378	CHI OPERATING, INC.	3176

Surface Location

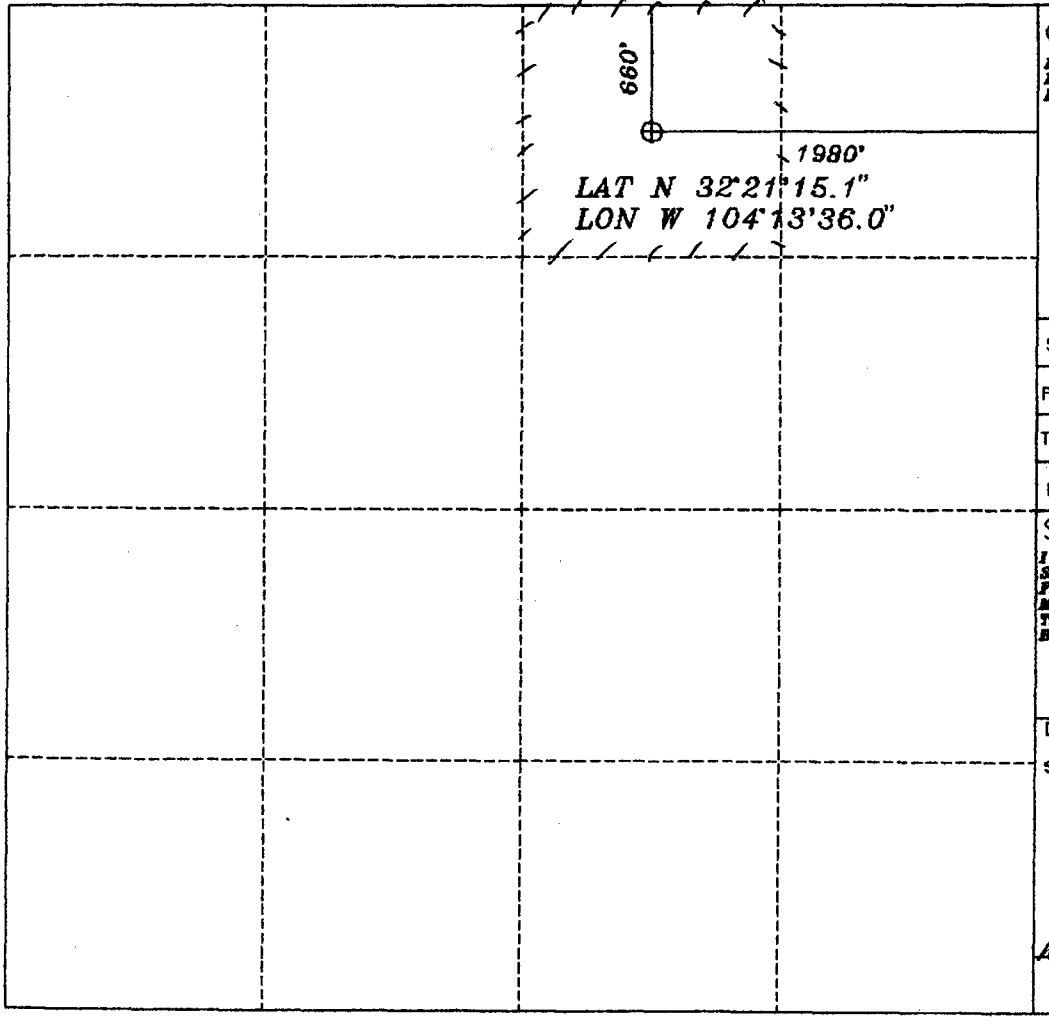
UL or Lot No.	Section	Township	Range	Lot Idn.	Feet from the	North/South line	Feet from the	East/West line	County
B	31	22-S	27-E		660	NORTH	1980	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or Lot No.	Section	Township	Range	Lot Idn.	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
40			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTEREST HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

I HEREBY CERTIFY THAT THE INFORMATION HEREIN IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Signature: John W. Wolf

Printed Name: JOHN W. WOLF

Title: Engr

Date: 12/28/04

SURVEYOR CERTIFICATION

I HEREBY CERTIFY THAT THE WELL LOCATION SHOWN ON THIS PLAT WAS PLOTTED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION, AND THAT THE SAME IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DECEMBER 14, 2004

Date of Survey

Signature and Seal of Professional Surveyor

GARY R. REDDY
NEW MEXICO
5412
REGISTERED PROFESSIONAL ENGINEER
LAND SURVEYOR

NM PE&PS #5412

Certificate Number

RECEIVED
DEC 30 2004
OCD-ARTESIA

CHI OPERATING, INC
HYDROGEN SULFIDE (H2S) CONTINGENCY PLAN
FOR DRILLING/COMPLETING/WORKOVER/FACILITY
WITH THE EXPECTATION OF H2S IN EXCESS OF 100 PPM

30-015-33788

WELL/FACILITY IN QUESTION
ALLEN #3
660' FNL & 1980' FEL
SECTION 31-T22S-R27E
EDDY COUNTY, N.M.

This well/facility is not expected to have H2S, but due to the sensitive location,
The following is submitted as requested

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GENERAL H2S EMERGENCY ACTIONS: **Page 1**

In the event of an H2S emergency, the following plan will be initiated.

1) All personnel will immediately evacuate to an up-wind and if possible up-hill "safe area".

2) If for any reason a person must enter the hazardous area, they must wear a SCBA (Self contained breathing apparatus)

3) Always use the "buddy system"

4) Isolate the well/problem if possible

5) Account for all personnel

6) Display the proper colors warning all unsuspecting personnel of the danger at hand.

7) Contact the Company personnel as soon as possible if not at the location. (use the enclosed call list as instructed)

At this point the company representative will evaluate the situation and co-ordinate the necessary duties to bring the situation under control, and if necessary, the notification of emergency response agencies and residents.

EMERGENCY PROCEDURES FOR AN UNCONTROLLABLE RELEASE OF H2S

1) All personnel will don the self-contained breathing apparatus.

2) Remove all personnel to the "safe area". (always use the "buddy system"

3) Contact company personnel if not on location.

4) Set in motion the steps to protect and or remove the general public to an upwind "safe area". Maintain strict security & safety procedures while dealing with the source.

5) No entry to any unauthorized personnel.

6) Notify the appropriate agencies: City Police-City street(s)
State Police-State Rd
Count Sheriff-County Rd.
(will assist in general public evacuation/safety while maintaining roadblocks)

7) Call the NMOCD

If at this time the supervising person determines the release of H2S cannot be contained to the site location and the general public is in arms way he will take the necessary steps to protect the workers & the public.

EMERGENCY CALL LIST: (Start and continue until ONE of these people have been reached)

	OFFICE	MOBILE	HOME
Chi Operating, Inc.	432-685-5001		
Sonny Mann	505-365-2338	432-694-7062	505-365-2722
John Wolf	432-685-5001	432-634-7061	432-682-4905
Bill Bergman	432-685-5001	432-557-8773	432-689-4011

EMERGENCY RESPONSE NUMBERS: Eddy County, New Mexico

State Police	Eddy County	505-748-9718
	Lea County	505-392-5588
Sheriff	Eddy County	505-746-2701
	Lea County	505-
Emergency Medical Service (Ambulance)		911 or 505-746-2701
Eddy County Emergency Management (Harry Burgess)		505-887-9511
State Emergency Response Center (SERC)		505-476-9620
Police Department - Artesia		505-746-5001
Fire Department - Artesia		505-746-5001
Police Department - Carlsbad		505-885-2111
Fire Department - Carlsbad		505-885-3125
Fire Department - Loco Hills		505-677-2349
(NMOCD) New Mexico Oil Conservation Division,		
District I (Lea, Roosevelt, Chavez, Curry)		505-393-6161
District II (Eddy, Chavez)		505-748-1283
Callaway Safety		505-392-2973
Indian Fire & Safety		800-530-8693
American Safety		505-746-1096
BJ Services		505-746-3146
Schlumberger		505-748-1392
Cudd Pressure Control		800-990-2833

In the event greater than 100 ppm H2S is present, the ROE (Radius Of Exposure) calculations will be done to determine if the following is warranted:

- 100 ppm at any public area (any place not associated with this site)
- 500 ppm at any public road (any road which the general public may travel)
- 100 ppm radius of 3000' will be assumed if there is insufficient data to do the calculations, and there is a reasonable expectation that H2S could be present in concentrations greater than 100 ppm in the gas mixture.

Calculation for the 100 ppm ROE:

$X = [(1.589)\ (\textbf{concentration})\ (Q)]\ (0.6258)$

Calculation for the 500 ppm ROE:

$X = [(0.4546)\ (\text{concentration})\ (Q)]\ (.06258)$

(H2S **concentrations** in decimal form:)
10,000 ppm + = .01
1,000 ppm + = .001
100 ppm + = .0001
10 ppm + = .00001

EXAMPLE: If a well/facility has been determined to have 100 ppm H2S in the gas mixture and the well/facility is producing at a gas rate of 200 MCFPD then:

ROE for 100 PPM $X=[(1.589)(.0001)(200{,}000)]\ (0.6258)$
$X= 8.8'$

ROE for 500 PPM $X=[(.4546)(.0005)(200{,}000)]\ (0.6258)$
$X= 10.9'$

(These calculations will be forwarded to the appropriate District NMOCD office when applicable)

PUBLIC EVACUATION PLAN:

(When the supervisor has determined that the General Public will be involved, the following plan will be implemented)

1) Notification of the emergency response agencies of the hazardous condition and Implement evacuation procedures.

2) A trained person in H2S safety, shall monitor with detection equipment the H2S Concentration, wind and area of exposure (ROE). This person will determine the outer perimeter of the hazardous area. The extent of the evacuation area will be determined from the data being collected. Monitoring shall continue until the situation has been resolved. **(All monitoring equipment shall be UL approved, for use in class I groups A,B,C, & D, Division I, hazardous locations. All monitors will have a minimum capability of measuring H2S, oxygen, and flammable values.)**

3) Law enforcement shall be notified to set up necessary barriers and maintain such for the duration of the situation as well as aid in the evacuation procedure.

4) The company supervising personnel shall stay in communication with all agencies through out the duration of the situation and inform such agencies when the situation has been contained and the effected area(s) is safe to enter.

PROCEDURE FOR IGNITING AN UNCONTROLABLE CONDITION:

The decision to ignite a well should be a last resort and one if not both of the following pertain.

1) Human life and/or property are in danger.

2) There is no hope of bring the situation under control with the prevailing conditions at the site.

INSTRUCTIONS FOR IGNITION:

1) Two people are required. They must be equipped with positive pressure; self contained breathing apparatus and a "D"-ring style, full body, OSHA approved safety harness. Non-flammable rope will be attached.

2) One of the people will be a qualified safety person who will test the atmosphere for H2S, Oxygen, & LFL. The other person will be the company supervisor; he is responsible for igniting the well.

3) Ignite up-wind from a distance no closer than necessary. Make sure that where you ignite from has the maximum escape avenue available. A 25mm flare gun shall be used, with a $\pm$500' range to ignite the gas.

4) Prior to ignition, make a final check for combustible gases.

5) Following ignition, continue with the emergency actions & procedures as before.

REQUIRED EMERGENCY EQUIPMENT:

1) Breathing Apparatus:

- Rescue Packs (SCBA) - 1 unit shall be placed at each breathing area, 2 shall be stored in the safety trailer.
- Work/Escape Packs – 4 packs shall be stored on the rig floor with sufficient air hose not to restrict work activity.
- Emergency Escape Packs – 4 packs shall be stored in the doghouse for emergency evacuation.

2) Signage & Flagging:

- One Color Code Condition Sign will be placed at the entrance to the site reflecting the possible conditions at the site.
- A Colored Condition flag will be on display, reflecting the condition at the site at that time.

3) Briefing Area: Two, perpendicular areas will be designated by signs and readily accessible.

4) Wind Socks: Two windsocks will be placed in strategic locations, visible from all angles.

5) H2S Detectors and Alarm: The stationary detector with three (3) sensors will be placed in the upper dog house if equipped, set to visually alarm @ 10 ppm and audible @ 15 ppm. Calibrate a minimum of every 30 days or as needed. The 3 sensors will be placed in the following places: (Gas sample tubes will be stored in the safety trailer)

- Rig Floor
- Bell Nipple
- End of Flow line or where well bore fluid are being discharged.

6) Auxiliary Rescue Equipment:

- Stretcher
- Two OSHA full body harness
- 100' of 5/8" OSHA approved rope
- 1 – 20# Class ABC fire extinguisher
- Communication via cell phones on location and vehicles on location.

USING SELF-CONTAINED BREATHING AIR EQUIPMENT (SCBA):

SCBA should be worn when any of the following are performed:

- Working near the top or on top of a tank.
- Disconnecting any line where H2S can reasonably be expected.
- Sampling air in the area to determine if toxic concentrations of H2S exist.
- Working in areas where over 10 ppm on H2S has been detected.
- At any time there is a doubt as the level of H2S in the area.

All personnel shall be trained in the use of SCBA prior to working in a potentially hazardous location.

Facial hair and standard eyeglasses are not allowed with SCBA.

Contact lenses are never allowed with SCBA.

Air quality shall continuously be checked during the entire operation.

After each use, the SCBA unit shall be cleaned, disinfected, serviced and inspected.

All SCBA shall be inspected monthly.

RESCUE & FIRST AID FOR VICTOMS OF HYDROGEN SULFIDE (H2S) POISONING:

Do not panic.

Remain calm & think.

Get on the breathing apparatus.

Remove the victim to the safe breathing area as quickly as possible. Upwind an uphill from source or cross wind to achieve upwind.

Notify emergency response personnel.

Provide artificial respiration and /or CPR, as necessary.

Remove all contaminated clothing to avoid further exposure.

A minimum of two (2) personnel on location shall be trained in CPR and First Aid.

H2S is extremely toxic. The acceptable ceiling for eight hours of exposure is 10 ppm, which is .001% by volume. H2S is approximately 20% heavier than air (Sp.Gr=1.19 / Air=1) and color less. It forms an explosive mixture with air between 4.3% and 46.0%. By volume hydrogen sulfide (H2S) is almost as toxic as hydrogen cyanide and is 5-6 times more toxic than carbon monoxide.

Various Gases

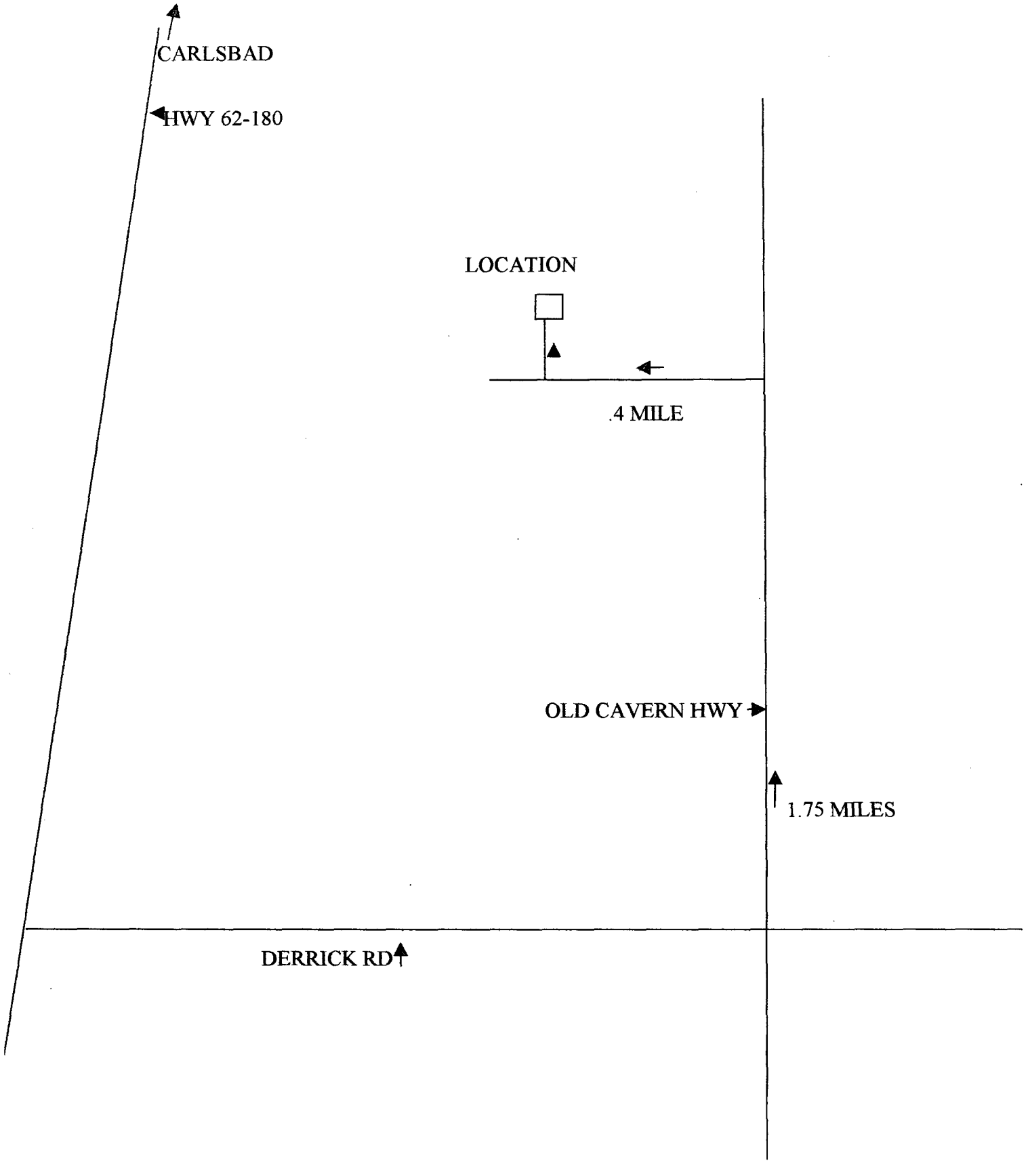
Common Name	Chemical Abbrev.	Sp. Gr.	Threshold Limits	Hazardous Limits	Lethal Concentration
Hydrogen Sulfide	H2S	1.19	10 ppm 15 ppm	100 ppm/ hr	600 ppm
Hydrogen Cyanide	HCN	0.94	10 ppm	150 ppm/ hr	300 ppm
Sulfur Dioxide	SO2	2.21	2 ppm	N/A	1000 ppm
Chlorine	CL2	2.45	1 ppm	4 ppm / hr	1000 ppm
Carbon Monoxide	CO	0.97	50 ppm	400 ppm / hr	1000 ppm
Carbon Dioxide	CO2	1.52	5000 ppm	5 %	10 %
Methane	CH4	0.55	90,000	Combustible @ 5%	N/A

1 Threshold limit – Concentrations at which it is believed that all workers may be repeatedly exposed, day after day without Adverse effects.
2 Hazardous limit – Concentration that may cause death
3 Lethal concentration – Concentration that will cause death with short-term exposure.
4 Threshold limit – 10 ppm – NIOSH guide to chemical hazards
5 Short-term threshold limit.

PHYSICAL EFFECTS OF HYDROGEN SULFIDE:

CONCENTRATIONS		PYSICAL EFFECTS
.001%	10 ppm	Obvious and unpleasant odor. Safe for 8hr exposure
.005%	50 ppm	Can cause some flu-like symptoms and can cause pneumonia
.01%	100 ppm	Kills the sense of smell in 3 –15 minutes. May irritate eyes and throat.
.02%	200 ppm	Kills the sense of smell rapidy. Severly irritates eyes and throat. Severe flu-like symptoms after 4 or more hours. May cause lung damage and/or death.
.06%	600 ppm	Loss of consciousness quickly, death will result in not rescued promptly.

ALLEN #3
660' FNL & 1980' FEL
SEC.31-T22S-R27E
EDDY COUNTY, NM



Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., 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 and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
May 27, 2004

WELL API NO.
30-015-33788

5. Indicate Type of Lease
STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name
ALLEN

1. Type of Well: Oil Well ☒ Gas Well ☐ Other

8. Well Number 3

2. Name of Operator
CHI OPERATING, INC

9. OGRID Number

3. Address of Operator
PO BOX 1799 MIDLAND, TX 79702

10. Pool name or Wildcat

4. Well Location
Unit Letter B : 660 feet from the NORTH line and 1980 feet from the EAST line
Section 31 Township 22S Range 27E NMPM EDDY County

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type _____ **Depth to Groundwater** _____ **Distance from nearest fresh water well** _____ **Distance from nearest surface water** _____

Pit Liner Thickness: _____ **mil** **Below-Grade Tank: Volume** _____ **bbls; Construction Material** _____

12. 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.	☒	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☒		
OTHER:	☐			OTHER:	☐		

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

NOTIFIED OCD OF SPUD 2/28/05. 3/01/05 - SET 8 5/8"-32#-J-55 @ 357'. CEMENTED W/200 SKS "C"+4%GEL+2% CACL2+1 PPS LCM-100 SKS "C"+2% CACL2+.25 PPS CF. CIRC-65 SKS. WOC 19.5 HRS. TESTED CSG-1000# - ½ HR.

(NOTIFIED OCD OF SURFACE, DID NOT WITNESS CEMENT JOB, DID STOP BY AND INSPECT THE RIG THE FOLLOWING MORNING)

I hereby certify that the information above is true and complete to the best of my knowledge and belief. **I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.**

SIGNATURE _____ TITLE _____ DATE 3/06/05

Type or print name JOHN W. WOLF E-mail address: _____ Telephone No. 432-685-5001

For State Use Only

APPROVED BY: _____ TITLE _____ DATE MAR 13 2005

Conditions of Approval (if any): FOR RECORDS ONLY

RECEIVED
MAR 10 2005
OCD-ARTESIA

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., 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 and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
May 27, 2004

WELL API NO.
30-015-33788

5. Indicate Type of Lease
STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name
ALLEN

1. Type of Well: Oil Well ☒ Gas Well ☐ Other

8. Well Number 3

RECEIVED
MAR 15 2005
OCD-ARTESIA

2. Name of Operator
CHI OPERATING, INC

9. OGRID Number

3. Address of Operator
PO BOX 1799 MIDLAND, TX 79702

10. Pool name or Wildcat

4. Well Location
Unit Letter B : 660 feet from the NORTH line and 1980 feet from the EAST line
Section 31 Township 22S Range 27E NMPM EDDY County

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type _____ **Depth to Groundwater** _____ **Distance from nearest fresh water well** _____ **Distance from nearest surface water** _____

Pit Liner Thickness: _____ **mil** **Below-Grade Tank: Volume** _____ **bbls; Construction Material** _____

12. 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.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☒		
OTHER:	☐			OTHER:	☐		

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

DRLD PRODUCTION. 3/10/05-SET 5½" 15.5-J-55 @ 5393'. CMTD IN 2 STAGES. 1ST STAGE: 685 SKS "C"+4% GEL+.25 PPS CF, OPND DV TOOL @ 1944', CIRC 4 HRS, CIRC- 18 SKS OF DV. 2ND STAGE: 450 SKS "C"+15% GEL+10% SALT+.25 PPS CF, 50 SKS "C"+2% CACL2+.25 PPS CF, CIRC 75 SKS. ND & RELEASE RIG.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. **I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.**

SIGNATURE John W. Wolf TITLE _____ DATE 3/11/05

Type or print name JOHN W. WOLF E-mail address: _____ Telephone No. 432-685-5001

For State Use Only

APPROVED BY: FOR RECORDS ONLY TITLE _____ DATE MAR 23 2005

Conditions of Approval (if any):

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., 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 and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
May 27, 2004

WELL API NO.
30-015-33788

5. Indicate Type of Lease
STATE ☐ FEE ☐

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name
Allen

1. Type of Well: Oil Well ☑ Gas Well ☐ Other

8. Well Number #3

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JUN 29 2005
OCD-ARTESIA

2. Name of Operator
CHI OPERATING, INC

9. OGRID Number
004378

3. Address of Operator
PO BOX 1799 MIDLAND, TX 79702

10. Pool name or Wildcat

4. Well Location
Unit Letter B : 660 feet from the NORTH line and 1980 feet from the EAST line
Section 31 Township 22S Range 27E NMPM County EDDY

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type_____ Depth to Groundwater_____ Distance from nearest fresh water well_____ Distance from nearest surface water_____

Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

12. 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.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
OTHER:	☐			OTHER:			☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

3/22/05 MI&RU, NU BOP, Tag DV Tool @ 1936', tst csg t/2000# ½ hr, all ok, circ hole w/130bbls 2% KCL, Perf 5202-13', set pkr @ 5100', unset pkr, set CIBP @ 5185', Perf 4933-52', set pkr @ 4847', unset pkr, Perf 2822-28; 2834-42', set pkr @ 2731', unset pkr, Perf 2688-2700', set pkr @ 2600'. 5/14/05 RU Squeeze crew, cmt retainer @ 2598', tag cmt @ 2583', tst csg t/1000# ½ hr, set pkr @ 2648', put well on @ 200 rpm, left producing 5/26/05.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. **I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.**

SIGNATURE: Robin Askew TITLE: Regulartory Clerk DATE: 6/17/05

Type or print name: Robin Askew E-mail address:_____ Telephone No: 432-685-5001

For State Use Only

APPROVED BY:_____ FOR RECORDS ONLY TITLE_____ DATE JUN 30 2005

Conditions of Approval: FOR RECORDS ONLY

[redacted]ct Office
[redacted]
[redacted]rench Dr., Hobbs, NM 88240
[redacted]ct 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 and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-105
Revised March 25, 1999

WELL API NO.
30-015-33788

5. Indicate Type of Lease
STATE ☐ FEE ☐

State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:
OIL WELL ☑ GAS WELL ☐ DRY ☐ OTHER

b. Type of Completion:
NEW WELL ☑ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER

RECEIVED
JUN 29 2005
OCD-ARTESIA

7. Lease Name or Unit Agreement Name
Allen

2. Name of Operator
Chi Operating, Inc.

8. Well No.
#3

3. Address of Operator
P.O. Box 1799 Midland, TX 79702

9. Pool name or Wildcat

4. Well Location
Unit Letter B : 660 Feet From The NORTH Line and 1980 Feet From The EAST Line

Section 31 Township 22S Range 27E NMPM County EDDY

10. Date Spudded	11. Date T.D. Reached	12. Date Compl. (Ready to Prod.)	13. Elevations (DF& RKB, RT, GR, etc.)	14. Elev. Casinghead
2-28-05	3-10-05	5-26-05		

15. Total Depth	16. Plug Back T.D.	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By	Rotary Tools	Cable Tools
5393'	5346'				

19. Producing Interval(s), of this completion - Top, Bottom, Name
2600-2700'

20. Was Directional Survey Made

21. Type Electric and Other Logs Run
Deviation survey, CDL & CNL

22. Was Well Cored

23. **CASING RECORD** (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	32# J55	357'	11"	300sx,Circ 65sx	
5 ½"	15.5# J55	5393'	7 7/8"	1-685sx, Circ 18sx	
				2-500sx, Circ 75sx	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8"		2648'

26. Perforation record (interval, size, and number)
5202-13'; 4933-52'; 2822-28; 2834-42'; 2600-2700'

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5202-13'	A/2bbls 7.5% NEFE
2822-28; 2834-42'	A/166bbls 7.5% NEFE
2600-2700'	A/2bbls 7.5% NEFE

28 **PRODUCTION**

Date First Production	Production Method *(Flowing, gas lift, pumping - Size and type pump)*	Well Status *(Prod. or Shut-in)*
5-26-05	FLWG	Prod.

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
5-31-05	18 HRS			14 B0		50 BW	

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - *(Corr.)*

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)*
SOLD

Test Witnessed By
SONNY MANN

30. List Attachments

31 *I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief*

Signature Robin Askew Printed Name ROBIN ASKEW Title REGULATORY CLERK Date 6-17-05

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico		Northwestern New Mexico	
T/Delaware Form	1826	T. Ojo Alamo		T. Penn. "B"	
T/Delaware Sand	2001	T. Kirtland-Fruitland		T. Penn. "C"	
T/Bone Spring	5283	T. Pictured Cliffs		T. Penn. "D"	
		T. Cliff House		T. Leadville	
		T. Menefee		T. Madison	
		T. Point Lookout		T. Elbert	
		T. Mancos		T. McCracken	
		T. Gallup		T. Ignacio Otzte	
		Base Greenhorn		T. Granite	
		T. Dakota		T	
		T. Morrison		T.	
		T.Todilto		T	
		T. Entrada		T.	
		T. Wingate		T.	
		T. Chinle		T.	
		T. Permian		T.	
		T. Penn "A"		T.	

OIL OR GAS SANDS OR ZONES

No. 1, from.....to..... No. 3, from.....to.....

No. 2, from.....to..... No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....

No. 2, from.....to.....feet.....

No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology

JW DRILLING INC. Oil Well Drilling Contractor

Post Office Box 160 • Artesia, NM 88211-0160 • Office (505) 748-8704 • Fax (505) 748-8719

March 10, 2005

Chi Operating Inc
212 N Main, Suite 200
Midland, Tx 79704

[redacted]
Sec. 31, T-22-S, R-27-E
Eddy County, New Mexico

Attn: John Wolf

The following is a Deviation Survey on the referenced well:

149' - 1/2°	1406' - 3 1/2°	2978' - 3/4°
323' - 1/4°	1456' - 3 1/2°	3223' - 1/4°
596' - 1°	1517' - 3 1/4°	3469' - 3/4°
834' - 1°	1640' - 3°	3719' - 3/4°
1081' - 5 1/2°	1733' - 2 1/4°	3962' - 1/2°
924' - 1°	1864' - 1 1/4°	4209' - 3/4°
985' - 1°	1987' - 1 1/4°	4456' - 3/4°
1101' - 1 1/4°	2236' - 3/4°	4704' - 3/4°
1194' - 2 1/4°	2484' - 3/4°	4950' - 3/4°
1255' - 3°	2730' - 1/2°	5197' - 1°
		5368' - 1°

Sincerely,

Jerry W. Wilbanks
President

STATE OF NEW MEXICO)
)
COUNTY OF CHAVES)

The foregoing was acknowledged before me this 10th day of March, 2005 by Jerry W. Wilbanks.

MY COMMISSION EXPIRES

June 19th, 2007

Virginia L Long
NOTARY PUBLIC

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

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104
Reformatted July 20, 2001

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] Operator name and Address	[2] OGRID Number
Chi Operating, Inc. P.O. Box 1799 Midland, TX 79702	004378
	[3] Reason for Filing Code/ Effective Date New Well

[4] API Number	[5] Pool Name	[6] Pool Code
30-015-33788	Wye Delaware	96378
[7] Property Code	[8] Property Name	[9] Well Number
	Allen	#3

II. [10] Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
	31	22S	27E		660	North	1980	East	EDDY

[11] Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date
	FLWG				

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] POD	[21] O/G	[22] POD ULSTR Location and Description
15694	NAVAJO		O	

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JUN 29 2005
OCD-ARTESIA

47 Produced Water

[23] POD	[24] POD ULSTR Location and Description
	LOCATION

47 Well Completion Data

[25] Spud Date	[26] Ready Date	[27] TD	[28] PBTD	[29] Perforations	[30] DHC, MC
2-28-05	5-26-05	5393'	5346'	5202-13'; 4933-52' 2822-28'; 2834-42'	

[31] Hole Size	[32] Casing & Tubing Size	[33] Depth Set	[34] Sacks Cement
11"	8 5/8" 32# J55	357'	300sxs Circ 65sxs
7 7/8"	5½" 15.5# J55	5393'	1-685sxs, Circ 18sxs 2-500sxs, Circ 75sxs

47 Well Test Data

[35] Date New Oil	[36] Gas Delivery Date	[37] Test Date	[38] Test Length	[39] Tbg. Pressure	[40] Csg. Pressure
5-26-05	5-26-05	5-31-05	18 hrs		
[41] Choke Size	**[42] Oil**	**[43] Water**	**[44] Gas**	**[45] AOF**	**[46] Test Method**
	14 BO	50 BW			TOTAL FLOW METER

[47] I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: Robin Askew

Printed name: ROBIN ASKEW

Title: REGULATORY CLERK

Date: 6-17-05

Phone: 432-685-5001

OIL CONSERVATION DIVISION

Approved by: Jim W. Gum

Title: District II Supervisor

Approval Date: JUN 30 2005

JUN 30 2005

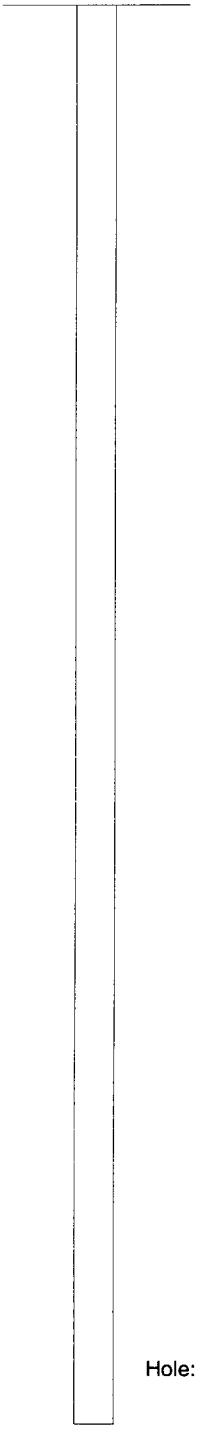
30-015-33788-00-00 **ALLEN No. 003**

Company Name: CHI OPERATING INC

Location: Sec: 31 T: 22S R: 27E Spot:
Lat: 32.3539771993145 Long: -104.227231841309

Property Name: ALLEN

County Name: Eddy



Hole: Unknown

TD: **TVD:** 0 **PBTD:**

String Information

Cement Information

Perforation Information

Top (ft sub)	Bottom (ft sub)	Shts/Ft	No Shts	Dt Sqz
0	0			

Formation Information

St Code	Formation	Depth
Prust	Rustler	281
Psal	Salado	517
Pbslt	Base of Salt	1552
Pdel	Delaware	1826

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State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144
June 1, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☒
Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator: CHI OPERATING, INC Telephone: 432-685-5001 e-mail address:
Address: P.O. BOX 1799 MIDLAND, TX, 79702
Facility or well name: ALLEN #3 API #: 30-015-33788 U/L or Qtr/Qtr B Sec 31 T 22S R 27E
County: EDDY Latitude Longitude NAD: 1927 ☐ 1983 ☐ Surface Owner Federal ☐ State ☐ Private ☒ Indian ☐

Pit	**Below-grade tank**
Type: Drilling ☒ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined ☒ Unlined ☐ Liner type: Synthetic ☐ Thickness 12 mil Clay ☐ Pit Volume bbl	Volume: bbl Type of fluid: Construction material: Double-walled, with leak detection? Yes ☐ If not, explain why not.

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Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) (0 points)
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes No	(20 points) (0 points)
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) (0 points)
	Ranking Score (Total Points)	0

If this is a pit closure: (1) attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if your are burying in place) onsite ☒ offsite ☐ If offsite, name of facility. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☒ Yes ☐ If yes, show depth below ground surface ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments: REQUEST OPTION (A) (ENCAPSULATE/CAP/COVER). THE PIT WILL BE DRIED, MIXED WITH EARTHEN MATERIAL IF NECESSARY, THE PLASTIC FOLDED INWARD, COVERED WITH 20 MIL PLASTIC, BACKFILLED WITH 3' OF DIRT, \SEEDED AS PER BLM REQUIREMENTS.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. **I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.**
Date: 11/9/05
Printed Name/Title JOHN W. WOLF Signature

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability ~~should the contents of the pit or tank~~ contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:
Printed Name/Title Field Supervisor Signature Date: NOV 16 2005

District I
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1000 Rio Brazos Road, Aztec, NM 87410
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1220 S. St Francis Dr, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

30-015-33788

OIL CONSERVATION DIVISION
1220 S. St Francis Drive
Santa Fe, New Mexico 87505

Form C-107-B
Revised June 10, 2003

Submit the original application to the Santa Fe office with one copy to the appropriate District Office.

APPLICATION FOR SURFACE COMMINGLING (DIVERSE OWNERSHIP)

OPERATOR NAME: Chi Operating, Inc.
OPERATOR ADDRESS: P.O. Box 1799, Midland, TX 79702
APPLICATION TYPE:

☐ Pool Commingling ☑ Lease Commingling ☐ Pool and Lease Commingling ☐ Off-Lease Storage and Measurement (Only if not Surface Commingled)

LEASE TYPE: ☑ Fee ☐ State ☐ Federal

Is this an Amendment to existing Order? ☐ Yes ☑ No If "Yes", please include the appropriate Order No. _____
Have the Bureau of Land Management (BLM) and State Land office (SLO) been notified in writing of the proposed commingling
☐ Yes ☐ No

(A) POOL COMMINGLING
Please attach sheets with the following information

(1) Pool Names and Codes	Gravities / BTU of Non-Commingled Production	Calculated Gravities / BTU of Commingled Production		Calculated Value of Commingled Production	Volumes

(2) Are any wells producing at top allowables? ☐ Yes ☐ No
(3) Has all interest owners been notified by certified mail of the proposed commingling? ☐ Yes ☐ No.
(4) Measurement type: ☐ Metering ☐ Other (Specify)
(5) Will commingling decrease the value of production? ☐ Yes ☐ No If "yes", describe why commingling should be approved

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(B) LEASE COMMINGLING
Please attach sheets with the following information

(1) Pool Name and Code. South Carlsbad Delaware
(2) Is all production from same source of supply? ☑ Yes ☐ No
(3) Has all interest owners been notified by certified mail of the proposed commingling? ☑ Yes ☐ No
(4) Measurement type: ☑ Metering ☐ Other (Specify)

(C) POOL and LEASE COMMINGLING
Please attach sheets with the following information

(1) Complete Sections A and E.

(D) OFF-LEASE STORAGE and MEASUREMENT
Please attached sheets with the following information

(1) Is all production from same source of supply? ☐ Yes ☐ No
(2) Include proof of notice to all interest owners.

(E) ADDITIONAL INFORMATION (for all application types)
Please attach sheets with the following information

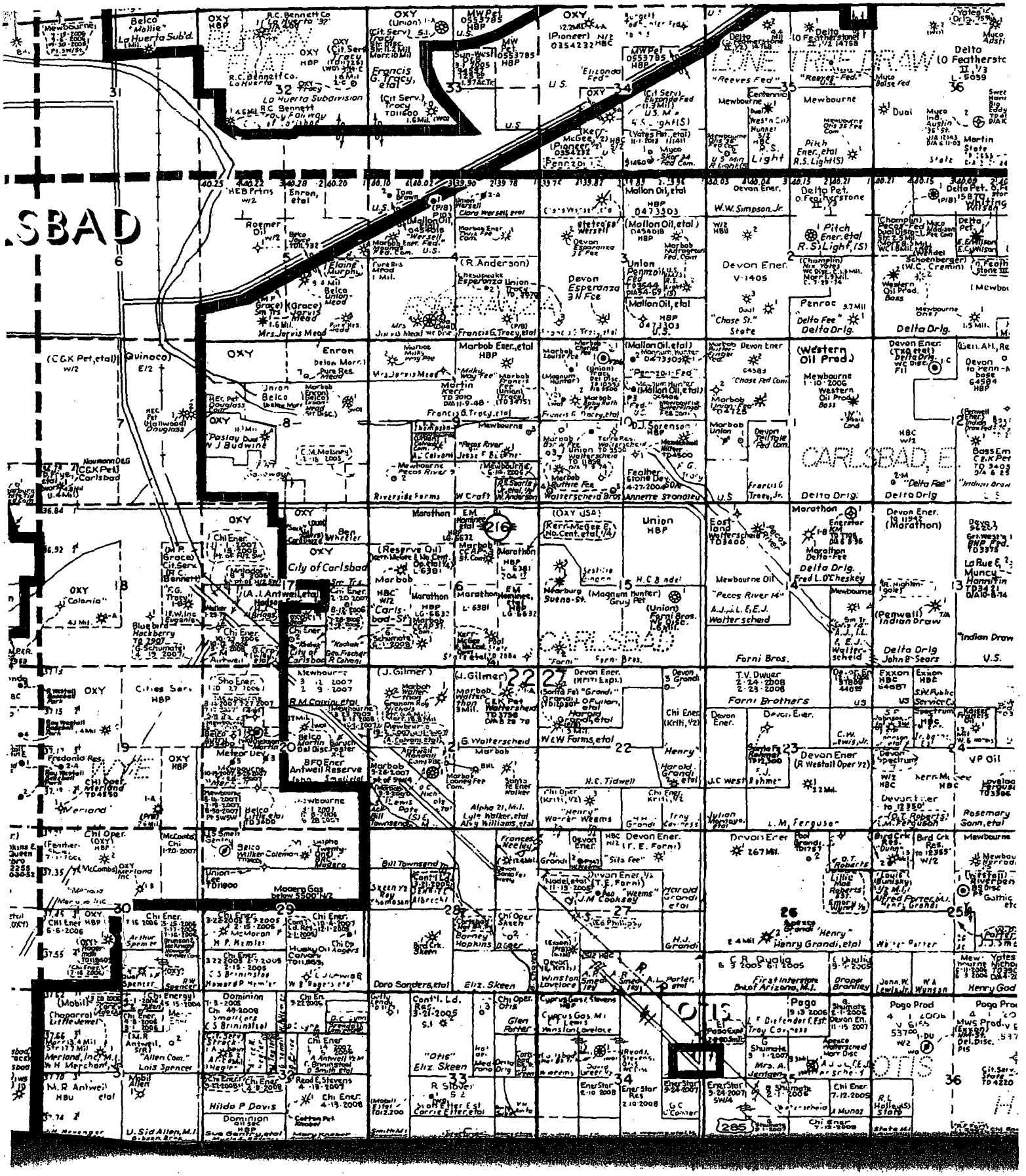
(1) A schematic diagram of facility, including legal location.
(2) A plat with lease boundaries showing all well and facility locations. Include lease numbers if Federal or State lands are involved.
(3) Lease Names, Lease and Well Numbers, and API Numbers. Allen #3 30-015-33788
Hagerman #1 30-015-29007

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE: John W. Qualls TITLE: V.P. DATE: 1-11-06

TYPE OR PRINT NAME John W. Qualls TELEPHONE NO.: 432-685-5001

E-MAIL ADDRESS: _____



Hagerman #1 1650' FSL & 2200' FWL Section 30-T-22S-R-27E

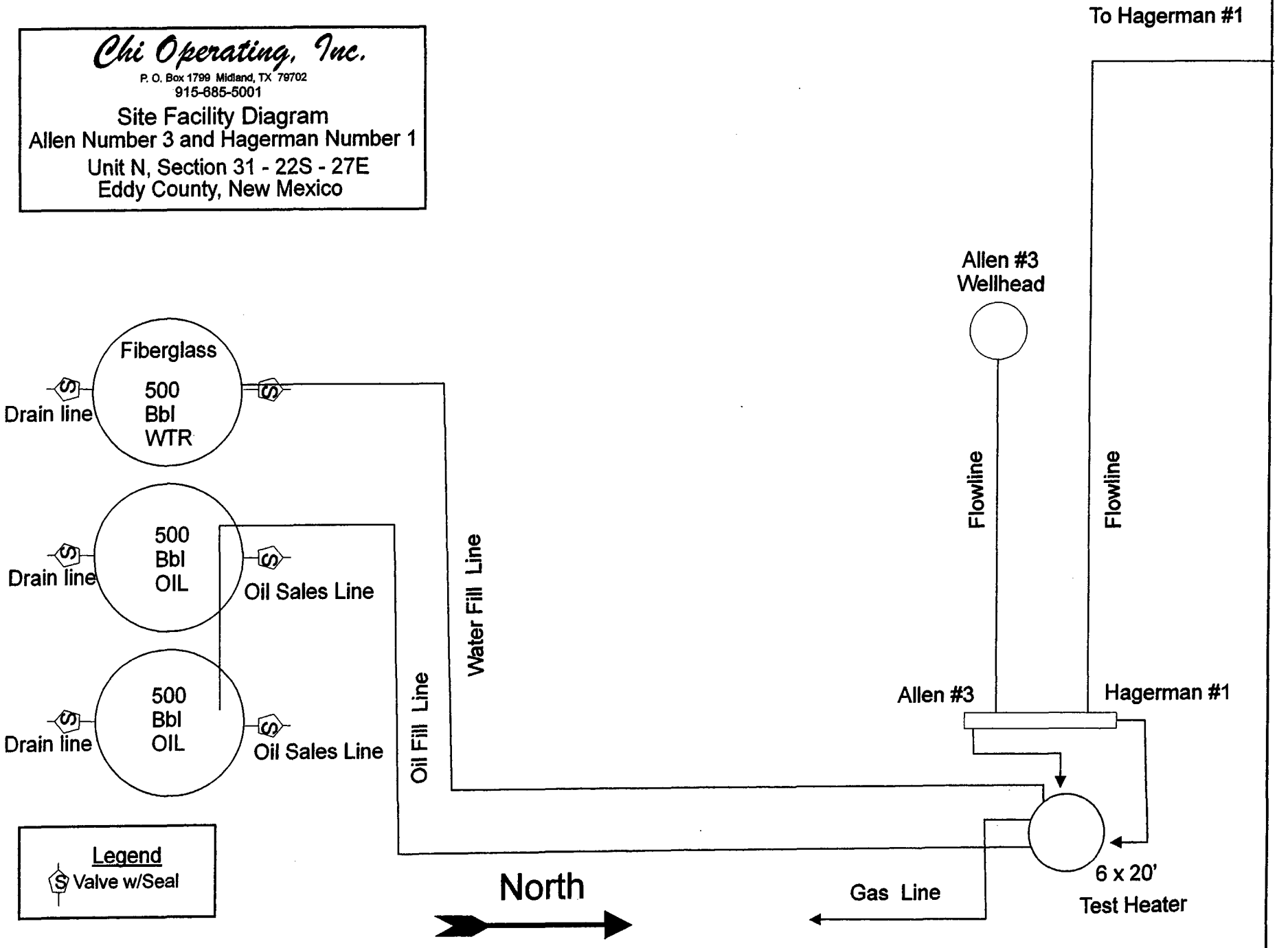
Allen #3 660' FNL & 1980' FEL Section 31-T22S-R-27E

Eddy County, New Mexico

Chi Operating, Inc.
P. O. Box 1799 Midland, TX 79702
915-685-5001

Site Facility Diagram

Allen Number 3 and Hagerman Number 1
Unit N, Section 31 - 22S - 27E
Eddy County, New Mexico



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JAN 24 2006
OCD-ARTESIA

January 16, 2005

To: Interest owners **"Certified-Return Receipt"**

Enclosed is a copy of an application filed by Chi Operating, Inc. with the New Mexico Oil Conservation Division, seeking authorization to surface commingle production from the South Carlsbad Delaware Pool originating from wells located on certain Fee leases covering parts of Sections 30, 31, Township 22 South, Range 27 East, NMPM, Eddy County, New Mexico. Chi also seeks an exception to the metering requirements of Rule 303.B by authorizing the allocation of production from these wells on the basis of periodic well tests. If you object to the application you must notify the Division (1220 South St. Francis Drive, Santa Fe, New Mexico 87505) within 20 days of the date of this letter. Failure to object will preclude you from contesting this matter at a latter date.

Sincerely,

John W. Qualls

JWQ/fh

432 685-5001

FAX 432 687-2662

CHI ENERGY, INC.
P.O. BOX 1799
MIDLAND, TEXAS 79702

RECEIVED
JUL - 5 2006
OCD-ARTESIA

June 28, 2006

"Certified-Return Receipt"

To: Interest owners 30-015-33788

Enclosed is a copy of an application filed by Chi Operating, Inc. with the New Mexico Oil Conservation Division, seeking authorization for Off-Lease Storage and Measurement from the South Carlsbad Delaware Pool originating from wells located on certain Fee leases covering parts of Sections 30 and 31, Township 22 South, Range 27 East, NMPM, Eddy County, New Mexico. A Heater Treater and the tanks for the Hagerman #1 will be on the Allen #3 surface facility. Thanks and please call should you have any questions.

Sincerely,

John W. Qualls

JWQ/fh

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District I
1625 N. French Drive, Hobbs, NM 88240
District II
1301 W. Grand Ave, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St Francis Dr, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

JUN 5 2006

Form C-107-B
Revised June 10, 2003

OIL CONSERVATION DIVISION
1220 S. St Francis Drive
Santa Fe, New Mexico 87505

Submit the original application to the Santa Fe office with one copy to the appropriate District Office.

APPLICATION FOR SURFACE COMMINGLING (DIVERSE OWNERSHIP)

OPERATOR NAME: Chi Operating, Inc.
OPERATOR ADDRESS: P. O. Box 1799 Midland, Texas 79702
APPLICATION TYPE:

☐ Pool Commingling ☐ Lease Commingling ☐ Pool and Lease Commingling ☒ Off-Lease Storage and Measurement (Only if not Surface Commingled)

LEASE TYPE: ☒ Fee ☐ State ☐ Federal

Is this an Amendment to existing Order? ☐ Yes ☐ No If "Yes", please include the appropriate Order No. _____
Have the Bureau of Land Management (BLM) and State Land office (SLO) been notified in writing of the proposed commingling
☐ Yes ☐ No

(A) POOL COMMINGLING
Please attach sheets with the following information

(1) Pool Names and Codes	Gravities / BTU of Non-Commingled Production	Calculated Gravities / BTU of Commingled Production		Calculated Value of Commingled Production	Volumes

(2) Are any wells producing at top allowables? ☐ Yes ☐ No
(3) Has all interest owners been notified by certified mail of the proposed commingling? ☐ Yes ☐ No.
(4) Measurement type: ☐ Metering ☐ Other (Specify)
(5) Will commingling decrease the value of production? ☐ Yes ☐ No If "yes", describe why commingling should be approved

(B) LEASE COMMINGLING
Please attach sheets with the following information

(1) Pool Name and Code.
(2) Is all production from same source of supply? ☐ Yes ☐ No
(3) Has all interest owners been notified by certified mail of the proposed commingling? ☐ Yes ☐ No
(4) Measurement type: ☐ Metering ☐ Other (Specify)

(C) POOL and LEASE COMMINGLING
Please attach sheets with the following information

(1) Complete Sections A and E.

(D) OFF-LEASE STORAGE and MEASUREMENT
Please attached sheets with the following information

(1) Is all production from same source of supply? ☒ Yes ☐ No
(2) Include proof of notice to all interest owners. attached

(E) ADDITIONAL INFORMATION (for all application types)
Please attach sheets with the following information

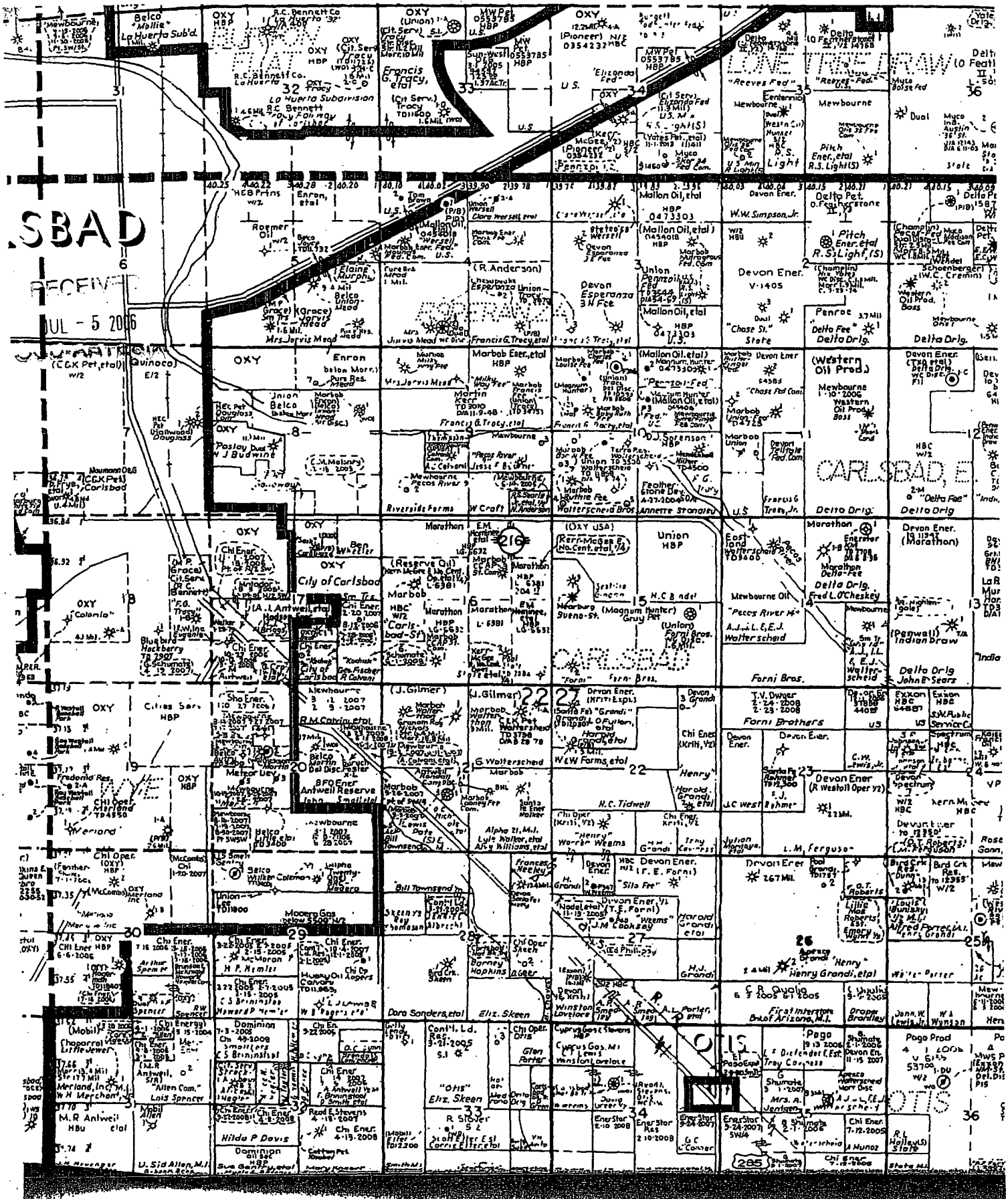
(1) A schematic diagram of facility, including legal location.
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(3) Lease Names, Lease and Well Numbers, and API Numbers. Allen #3 30-015-33788
Hagerman #1 30-015-29007

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE: _____ TITLE: Vice-president DATE: 6-29-06

TYPE OR PRINT NAME John W. Qualls TELEPHONE NO.: 432-685-5001

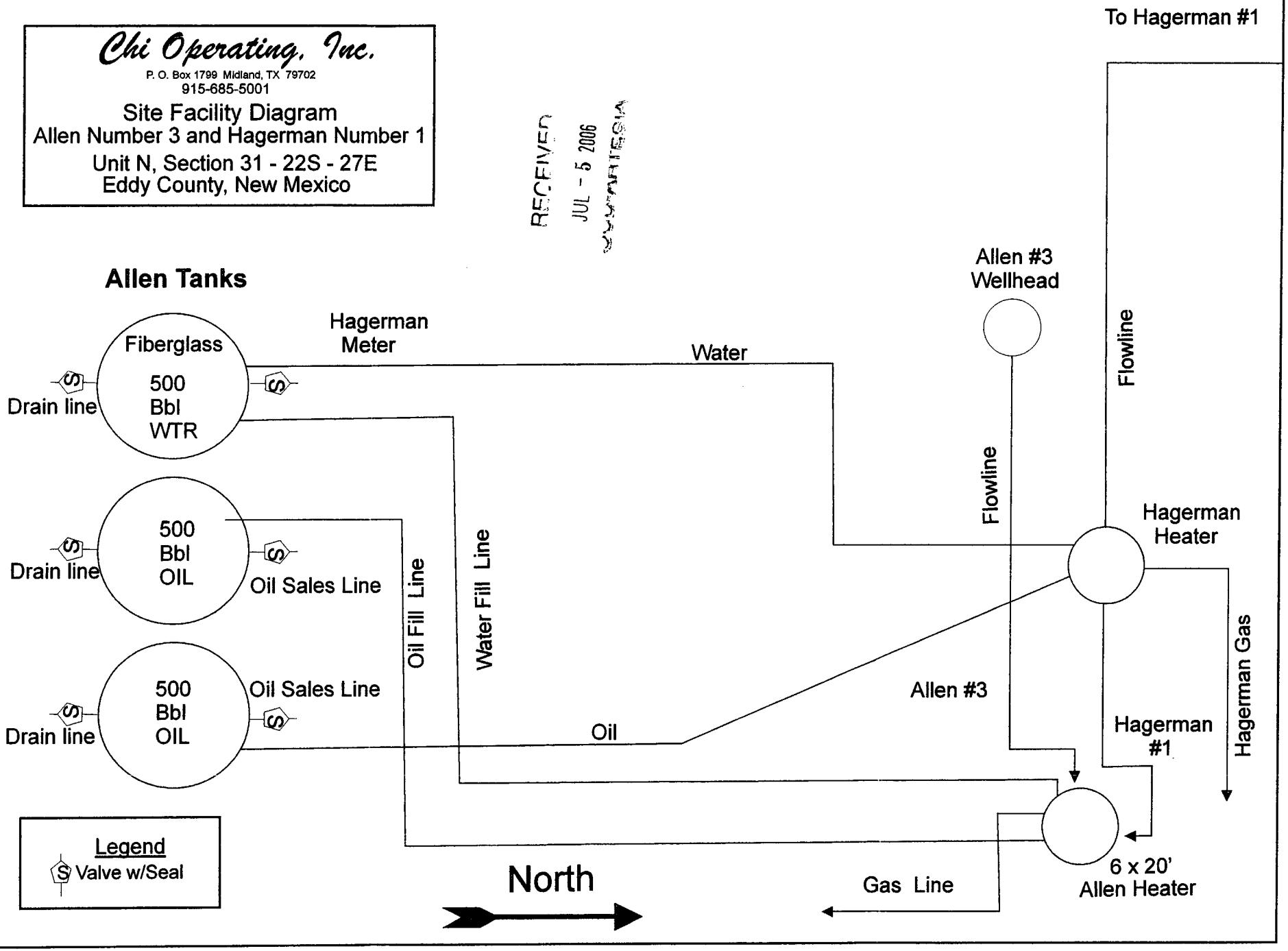
E-MAIL ADDRESS: johnq@chienergyinc.com


.SBAD
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JUL - 5 2006
LEA
CARLSBAD E.
Hagerman #1 1650' FSL & 2200' FWL Section 30-T-22S-R-27E
Allen #3 660' FNL & 1980' FEL Section 31-T22S-R-27E
Eddy County, New Mexico

Chi Operating, Inc.
P. O. Box 1799 Midland, TX 79702
915-685-5001

Site Facility Diagram
Allen Number 3 and Hagerman Number 1
Unit N, Section 31 - 22S - 27E
Eddy County, New Mexico

RECEIVED
JUL - 5 2006



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Mark E. Fesmire, P.E.
Director
Oil Conservation Division

09-May-07

CHI OPERATING INC
P. O. BOX 1799
MIDLAND TX 79702

LOV NO. 02/2007

LETTER OF VIOLATION - Inspection

Dear Operator:

The following inspection(s) indicate that the well, equipment, location or operational status of the well(s) failed to meet standards of the New Mexico Oil Conservation Division as described in the detail section below. To comply with standards imposed by Rules and Regulations of the Division, corrective action must be taken immediately and the situation brought into compliance. The detail section indicates preliminary findings and/or probable nature of the violation. This determination is based on an inspection of your well or facility by an inspector employed by the Oil Conservation Division on the date(s) indicated.

Please notify the proper district office of the Division, in writing, of the date corrective actions are scheduled to be made so that arrangements can be made to reinspect the well and/or facility.

INSPECTION DETAIL SECTION

ALLEN No.003 B-31-22S-27E **30-015-33788-00-00**

Inspection Date	Type Inspection	Inspector	Violation?	*Significant Non-Compliance?	Corrective Action Due By:	Inspection No.
05/09/2007	Routine/Periodic	Gerry Guye	Yes	No	6/30/2007	iGEG0712934429

Comments on Inspection: Approval was granted in 2005 to close drilling pit which has not been closed. Violation of Rule 19.15.2.50.F

In the event that a satisfactory response is not received to this letter of direction by the "Corrective Action Due By:" date shown above, further enforcement will occur. Such enforcement may include this office applying to the Division for an order summoning you to a hearing before a Divison Examiner in Santa Fe to show cause why you should not be ordered to permanently plug and abandon this well. Such a hearing may result in imposition of CIVIL PENALTIES for your violation of OCD rules.

Sincerely,

Artesia OCD District Office

Note: Information in Detail Section comes directly from field inspector data entries - not all blanks will contain data.
*Significant Non-Compliance events are reported directly to the EPA, Region VI, Dallas, Texas.

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Mark E. Fesmire, P.E.
Director
Oil Conservation Division

July 16, 2007

Chi Operating Inc
PO Box 1799
Midland, TX 79702

RE: C-144 Allen #3, API No. 30-015-33788

Dear Operator:

This office has received a new C-144 on the referenced well above.

This C-144 indicates the site ranking for this pit is 20 points versus the 0 point ranking indicated in the approved 2005 C-144. In view of the change of ranking we are extending the date of compliance due on the Letter of Violation to **August 31, 2007.**

You may find an approved copy of the new C-144 in the well file in 3 working days. Please note the stipulations which are noted on the form.

All work approved on this C-144 must be completed by the extended date of compliance due, to prevent further enforcement action.

Sincerely,

Gerry Guye
Deputy Field Inspector
NMOCD District II, Artesia
(505) 748-1283 ext 105
Cell (505) 626-0843
e-mail: gerry.guye@state.nm.us

1625 N French Dr., Hobbs, NM 88240
District II
1301 W Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144
June 1, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☒
Type of action Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

JUN 22 2007

Operator: CHI OPERATING, INC. Telephone 432-685-5001 e-mail address OCD-ARTESIA
Address: P.O. Box 1799 MIDLAND, TX 79702
Facility or well name: ALLEN #003 API #: 30-015-33788 U/L or Qtr/Qtr B Sec 31 T 22S R 27E
County: EDDY Latitude _____ Longitude _____ NAD: 1927 ☐ 1983 ☐
Surface Owner: Federal ☐ State ☐ Private ☐ Indian ☐

Pit	**Below-grade tank**
Type: Drilling ☒ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined ☒ Unlined ☐ Liner type: Synthetic ☒ Thickness 12 mil Clay ☐ Pit Volume _____ bbl	Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes ☐ If not, explain why not.

Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) (0 points)	10
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes No	(20 points) (0 points)	0
Distance to surface water (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) (0 points)	10
	Ranking Score (Total Points)		20

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks (2) Indicate disposal location: (check the onsite box if your are burying in place) onsite ☒ offsite ☐ If offsite, name of facility_____ (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☒ Yes ☐ If yes, show depth below ground surface_____ft. and attach sample results.
(5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments: CHI PLANS TO TRENCH BURY THE DRILL PIT AT THE ALLEN #003 AS PER O.C.D. RULE 50 OF PIT OR BELOW GRADE TANK GUIDELINES. WE WILL LINE THE TRENCH W/ 12 MIL LINER AND BURY CONTENTS AND LINER, THEN COVER W/ 20 MIL PLASTIC. WE WILL THEN CAP W/ 3' OF NATIVE MATERIAL CAPABLE OF SUPPORTING NATIVE PLANT GROWTH. WE WILL CONTOUR PIT AREA TO PREVENT EROSION AND PONDING OF RAINWATER. WE WILL NOTIFY O.C.D. 48 HRS. PRIOR TO BEGINING WORK.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. **I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.**

Date. 6/18/07
Printed Name/Title GREG LEARY / AGENT Signature G. Leary

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:
If pit is situated in an agricultural area pit contents MUST be hauled.

Signature Signed By Mike Bratcher Date. JUL 13 2007

Notify OCD 24 hours prior to beginning pit closure.

Samples are to be obtained from pit area and analysis submitted to NMOCD prior to back-filling

This approval supercedes prior approval

(3)

District I
1625 N French Dr , Hobbs, NM 88240
District II
1301 W Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S St Francis Dr , Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144
June 1, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☒
Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒ JUL -2 2007

Operator: CHI OPERATING, INC. Telephone: 432-685-5001 e-mail address: OCD-ARTESIA
Address: P.O. Box 1799 MIDLAND, TX 79702
Facility or well name: ALLEN #003 API #: 30-015-33788 U/L or Qtr/Qtr B Sec 31 T 22S R 27E
County: EDDY Latitude _____ Longitude _____ NAD: 1927 ☐ 1983 ☐
Surface Owner. Federal ☐ State ☐ Private ☐ Indian ☐

Pit	**Below-grade tank**
Type: Drilling ☒ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined ☒ Unlined ☐ Liner type: Synthetic ☒ Thickness 12 mil Clay ☐ Pit Volume _____ bbl	Volume _____ bbl Type of fluid: _____ Construction material _____ Double-walled, with leak detection? Yes ☐ If not, explain why not.

Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water)	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) (0 points)	10
Wellhead protection area (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes No	(20 points) (0 points)	0
Distance to surface water (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) (0 points)	10
	Ranking Score (Total Points)		20

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location. (check the onsite box if your are burying in place) onsite ☒ offsite ☐ If offsite, name of facility_____. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☒ Yes ☐ If yes, show depth below ground surface_____ft and attach sample results.
(5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments: CHI PLANS TO TRENCH BURY THE DRILL PIT AT THE ALLEN #003 AS PER O.C.D. RULE 50 OF PIT OR BELOW GRADE TANK GUIDELINES. WE WILL LINE THE TRENCH W/ 12 MIL LINER AND BURY CONTENTS AND LINER, THEN COVER W/ 20 MIL PLASTIC. WE WILL THEN CAP W/ 3' OF NATIVE MATERIAL CAPABLE OF SUPPORTING NATIVE PLANT GROWTH. WE WILL CONTOUR PIT AREA TO PREVENT EROSION AND PONDING OF RAINWATER. WE WILL NOTIFY O.C.D. 48 HRS. PRIOR TO BEGINING WORK.

I hereby certify that the information above is true and complete to the best of my knowledge and belief **I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.**

Date 6/28/07
Printed Name/Title GREG LEARY / AGENT Signature G. Leary

Your certif... oes not relieve the ... ntaminate ground water or otherwise ... ve the operator of ... te, or local laws and/or regulations ...

Notify OCD 24 hours prior to beginning pit closure.

Samples are to be obtained from pit area and analysis submitted to NMOCD prior to back-filling

If pit is situated in an agricultural area, all Pit contents MUST be hauled to disposal.

Approval:
Printed Na... Signature _____ e 7/16/07

Jim W. Gum
District II Supervisor

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144
June 1, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☒
Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

APR – 2 2008
OCD-ARTESIA

Operator: CHI OPERATING, INC Telephone: 432-685-5001 e-mail address: pamc@chienergyinc.com
Address: P.O. BOX 1799 MIDLAND, TX 79702
Facility or well name: ALLEN_3 API #: 30-015-33788 U/L or Qtr/Qtr B Sec 31 T 22S R 27E
County: EDDY Latitude Longitude NAD: 1927 ☐ 1983 ☐
Surface Owner: Federal ☐ State ☐ Private ☐ Indian ☐

Pit	Below-grade tank
Type: Drilling ☒ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined ☒ Unlined ☐ Liner type: Synthetic ☒ Thickness 12 mil Clay ☐ Pit Volume bbl	Volume: bbl Type of fluid: Construction material: Double-walled, with leak detection? Yes ☐ If not, explain why not

Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) (0 points)	10
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources)	Yes No	(20 points) (0 points)	0
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses)	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) (0 points)	10
	Ranking Score (Total Points)		20

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if your are burying in place) onsite ☒ offsite ☐ If offsite, name of facility . (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☒ Yes ☐ If yes, show depth below ground surface ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments: FINAL CLOSURE

I hereby certify that the information above is true and complete to the best of my knowledge and belief. **I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.**

Date: 3/14/08
Printed Name/Title PAM CORBETT Signature Pam Corbett

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:

Accepted for record
NMOCD

APR 02 2008

Analytical Report 298956

for

Tripp Construction Co.

Project Manager: Mark Meadows

Allen #3

8-03-1002

06-MAR-08

ENVIRONMENTAL LAB OF

12600 West I-20 East Odessa, Texas 79765

Texas certification numbers:
Houston, TX T104704215

Florida certification numbers:
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675
Norcross(Atlanta), GA E87429

South Carolina certification numbers:
Norcross(Atlanta), GA 98015

North Carolina certification numbers:
Norcross(Atlanta), GA 483

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America
Midland - Corpus Christi - Atlanta

ENVIRONMENTAL LAB OF

06-MAR-08

Project Manager: **Mark Meadows**
Tripp Construction Co.
P.O. Box 1711
Odessa, TX 79760

Reference: XENCO Report No: **298956**
Allen #3
Project Address: Allen#3

Mark Meadows:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 298956. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 298956 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II
Odessa Laboratory Manager

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Certified and approved by numerous States and Agencies.
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Houston - Dallas - San Antonio - Austin - Tampa - Miami - Atlanta - Corpus Christi - Latin America

Sample Cross Reference 298956

Tripp Construction Co., Odessa, TX

Allen #3

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
CS-1	S	Mar-05-08 16:00	20 ft	298956-001
CS-2	S	Mar-05-08 16:00	20 ft	298956-002
CS-3	S	Mar-05-08 16:00	20 ft	298956-003
CS-4	S	Mar-05-08 16:00	20 ft	298956-004
Background	S	Mar-05-08 16:00	20 ft	298956-005

Certificate of Analysis Summary 298956

Tripp Construction Co., Odessa, TX

Project Name: Allen #3

Project Id: 3-03-1002
Contact: Mark Meadows
Project Location: Allen#3

Date Received in Lab: Thu Mar-06-08 09:00 am
Report Date: 06-MAR-08
Project Manager: Brent Barron, II

Analysis Requested	Lab Id:	298956-001		298956-002		298956-003		298956-004		298956-005	
	Field Id:	CS-1		CS-2		CS-3		CS-4		Background	
	Depth:	20 ft		20 ft		20 ft		20 ft		20 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-03-08 16:00		Mar-03-08 16:00		Mar-03-08 16:00		Mar-03-08 16:00		Mar-03-08 16:00	
Anions by EPA 300/300.1	Extracted:										
	Analyzed:	Mar-06-08 10:53		Mar-06-08 10:53		Mar-06-08 10:53		Mar-06-08 10:53		Mar-06-08 10:53	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		700	200	90	100	210	100	300	200	2490	50.0

This analytical report, and the results and data package it represents, has been made for your exclusive and confidential use.
The interpretations and results expressed through out this analytical report reflect the best judgment of XENCO Laboratories.
XENCO Inc. assumes no responsibility and makes no warranty as to the accuracy of the data by generated.
Our liability is limited to the amount invoiced for this work and/or as otherwise agreed to in writing.

Since 1990 Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America - Atlanta - Corpus Christi

Brent Barron
Odessa Laboratory Director

04/01/2008 09:52 4325303107 TRIPP CONSTRUCTION PAGE 05/11

XENCO Laboratories

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the MQL(PQL) and above the SQL(MDL).

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

* Outside XENCO'S scope of NELAC Accreditation

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	Phone	Fax
11381 Meadowglen Lane Suite L Houston, Tx 77082-2647	(281) 589-0692	(281) 589-0695
9701 Harry Hines Blvd , Dallas, TX 75220	(214) 902 0300	(214) 351-9139
5332 Blackberry Drive, Suite 104, San Antonio, TX 78238	(210) 509-3334	(210) 509-3335
2505 N. Falkenburg Rd., Tampa, FL 33619	(813) 620-2000	(813) 620-2033
5757 NW 158th St. Miami Lakes, FL 33014	(305) 823-8500	(305) 823-8555
6017 Financial Dr., Norcross, GA 30071	(770) 449-8800	(770) 449-5477

XENCO Laboratories

Blank Spike Recovery

Project Name: Allen #3

Work Order #: 298956 **Project ID:** 8-03-1002

Lab Batch #: 716388 **Sample:** 716388-1-BKS **Matrix:** Solid

Date Analyzed: 03/06/2008 **Date Prepared:** 03/06/2008 **Analyst:** LATCOR

Reporting Units: mg/kg **Batch #:** 1

Anions by EPA 300/300.1 Analytes	BLANK/BLANK SPIKE RECOVERY STUDY					
	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Chloride	ND	10.0	9.77	98	75-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

XENCO Laboratories

Form 3 - MS Recoveries

Project Name: Allen #3

Work Order #: 298956
Lab Batch #: 716388
Date Analyzed: 03/06/2008
QC- Sample ID: 298936-002 S
Reporting Units: mg/kg

Project ID: 8-03-1002
Date Prepared: 03/06/2008
Analyst: LATCOR
Batch #: 1
Matrix: Soil

Inorganic Anions by EPA 300	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	2880	1000	4010	113	75-125	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference [E] = 200*(C-A)/(C+B)
All Results are based on MDL and Validated for QC Purposes

XENCO Laboratories

Sample Duplicate Recovery

Project Name: Allen #3

Work Order #: 298956

Lab Batch #: 716388 **Project ID:** 8-03-1002

Date Analyzed: 03/06/2008 **Date Prepared:** 03/06/2008 **Analyst:** LATCOR

QC- Sample ID: 298936-002 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

Anions by EPA 300/300.1	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Chloride	2880	2880	0	20	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes

Environmental Lab of Texas

A Xenco Laboratories Company

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765
Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Mark Meadows
Project Name: xtra #3
Company Name: Tripp Construction, Inc.
Project #: 03-1002
Company Address: P.O. Box 1711
Project Loc: xtra#3
City/State/Zip: Odessa, Texas 79760
PO #:
Telephone No: 432-381-2449
Fax No: 432-530-3107
Report Formats: ☒ Standard ☐ TRRP ☐ NPDES
Sampler Signature:
e-mail: mmeadows@mwol.net

Lab # (lab use only): ORDER #: 298956

Lab # (lab use only)	Field Code	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservative & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Cont / Capacity	Matrix: Containers Volume Confirmed	Soil	Water	Sludge	Other	Analysis For: BTEX 8021 / 8260	TPH TX 1005	TPH TX 1005 (Ext. C6 to C35)	Chlorides (Cl)	Anions (F, Cl, NO3, NO2, PO4, SO4)	Cations (Ca, Mg, Na, K)	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	TCLP: Volatiles	TCLP: Semivolatiles	RCI	N.O.R.M.S.		Turn Around Time: RUSH TAT (Pre-Scheduling required)	Standard TAT
-001	CS-1		20ft	3/5/2008	4pm		1							X		X									X										X	
-002	CS-2		20ft	3/5/2008	4pm		1							X		X									X										X	
-003	CS-3		20ft	3/5/2008	4pm		1							X		X									X										X	
-004	CS-4		20ft	3/5/2008	4pm		1							X		X									X										X	
-005	Background		20ft	3/5/2008	4pm		1							X		X									X										X	

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
	3/6/08	9:00			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received at ELOT	3/6/08	9:00

Laboratory Comments:
Sample Containers Intact? Yes
VOCs Free of Headspace? Yes
Labels on containers? Yes
Custody seals on cartons(s) No
Custody seals on cooler(s) No
Sample Hand Delivered by Sample-Client Rep. ? Yes
by Courier? UPS Bus Other
FedEx Lone Star
Temperature Upon Receipt: 15 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Tripp Const.

Date/ Time: 3.6.08 7:00

Lab ID #: 279756

Initials: AL

Sample Receipt Checklist

Client Initials

#1 Temperature of container/ cooler?	Yes	No	1.5 °C	
#2 Shipping container in good condition?	Yes	No		
#3 Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
#4 Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
#5 Chain of Custody present?	Yes	No		
#6 Sample instructions complete of Chain of Custody?	Yes	No		
#7 Chain of Custody signed when relinquished/ received?	Yes	No		
#8 Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Cont./ Lid	
#9 Container label(s) legible and intact?	Yes	No	Not Applicable	
#10 Sample matrix/ properties agree with Chain of Custody?	Yes	No		
#11 Containers supplied by ELOT?	Yes	No		
#12 Samples in proper container/ bottle?	Yes	No	See Below	
#13 Samples properly preserved?	Yes	No	See Below	
#14 Sample bottles intact?	Yes	No		
#15 Preservations documented on Chain of Custody?	Yes	No		
#16 Containers documented on Chain of Custody?	Yes	No		
#17 Sufficient sample amount for indicated test(s)?	Yes	No	See Below	
#18 All samples received within sufficient hold time?	Yes	No	See Below	
#19 Subcontract of sample(s)?	Yes	No	Not Applicable	
#20 VOC samples have zero headspace?	Yes	No	Not Applicable	

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken: _____

Check all that Apply:

- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301W. Grand Avenue, Artesia NM 88201
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

MAY 2003
RECEIVED
OCD - ARTESIA

Form C-101
Revised March 17, 1999

Submit to appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

[1] Operator Name and Address	[2] OGRID Number
CHI OPERATING, INC. P.O. Box 1799 Midland, Texas 79702	004378 [3] API Number 30-015-32795

[3] Property Code	[5] Property Name	[6] Well No.
32340	ALLEN COM.	2

[7] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	31	22	27		1650	NORTH	990	EAST	EDDY

[8] Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

[9] Proposed Pool 1	[10] Proposed Pool 2
Carlsbad; Morrow, South	

[11] Work Type Code	[12] Well Type Code	[13] Cable/Rotary	[14] Lease Type Code	[15] Ground Level Elevation
N	G	R	P	3174'
[16] Multiple	**[17] Proposed Depth**	**[18] Formation**	**[19] Contractor**	**[20] Spud Date**
	12000	Morrow		5/15/03

[21] Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17½"	13 3/8"	48.5# J-55	±350'	±400	SURFACE/Circ
12¼"	9 5/8"	36# J-55	±5300'	±1000	SURFACE/Circ
8¾"	7" (CONTINGENCY)	26# N-80	±10,400'	±400	±8000'
6 1/8" (If 7" is set)	4 ½" Liner	11.6# N-80	12,000'	As deemed necessary	500'above productive
7 7/8"(If 7" is not set)	5 ½"	20/17# N-80	12,000'	As deemed necessary	zones

[22] Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Drill surface hole to 350', set csg & cement to surface. WOC-18 hrs. NU annular, tst & drill intermediate to base of Delaware ±5300'. Cement to surface. NUBOP & test 5000# while waiting 18 hrs on cement. Drill 8¾" hole to ±10400'. If necessary, set 7" psi string & cement. If 7" is set, drill out with 6¼" bit to TD. Log/evaluate, set liner & cement. (If 7" is not set, continue with 7 7/8" hole to TD. Log/evaluate, set csg & cement.)

[23] I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature: John W. Wolf

Printed name: John W. Wolf

Date: 5/01/03 Phone: 915-685-5001

OIL CONSERVATION DIVISION

Approved by: Tim W. Gum

Title: District Supervisor

Approval Date: MAY 11 2003 Expiration Date: MAY 11 2004

Conditions of Approval:

Attached ☐

[redacted]
District I
1625 N. French Dr. Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, N M 87505

Form C-102
Revised March 17, 1999
Submit to Appropriate District Office
State Lease – 4 Copies
Fee Lease – 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name

Property Code	Property Name	Well Number
	ALLEN COM	2
OGRID No. 004378	Operation Name: CHI OPERATING, INC.	Elevation: 3174

Surface Location

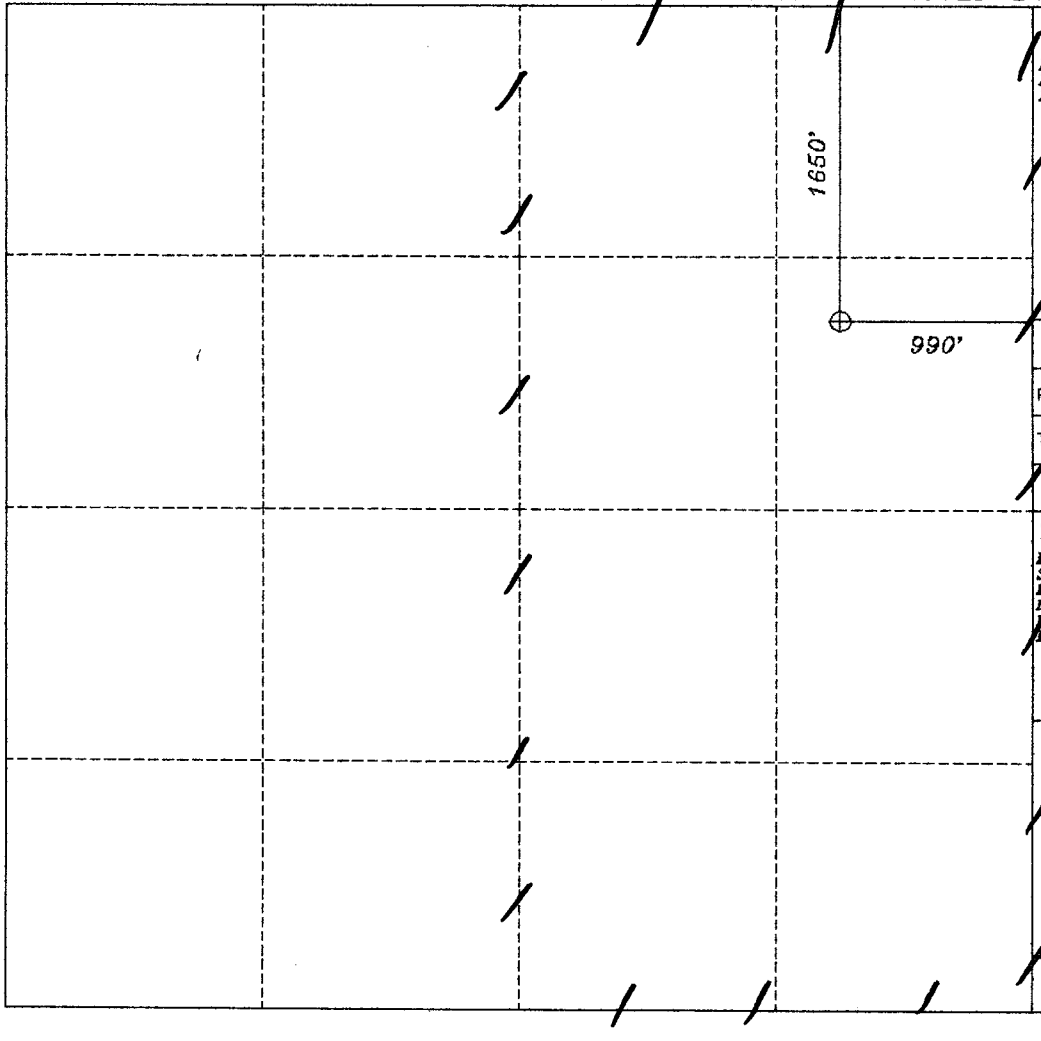
UL or Lot No.	Section	Township	Range	Lot Idn.	Feet from the	North/South line	Feet from the	East/West line	County
H	31	22-S	27-E		1650	NORTH	990	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or Lot No.	Section	Township	Range	Lot Idn.	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTEREST HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

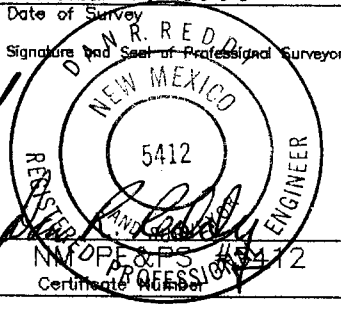
I HEREBY CERTIFY THAT THE INFORMATION HEREIN IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Signature: John W Wolf
Printed Name: JOHN W. WOLF
Title: Engr.
Date: 5/1/03

SURVEYOR CERTIFICATION

I HEREBY CERTIFY THAT THE WELL LOCATION SHOWN ON THIS PLAT WAS PLOTTED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION, AND THAT THE SAME IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

APRIL 7, 2003
Date of Survey
Signature and Seal of Professional Surveyor



NM PE&PS #5412
Certificate Number

Submit 3 Copies To Appropriate District Office
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
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-103
Revised March 25, 1999

WELL API NO.
30-015-32795

5. Indicate Type of Lease STATE ☐ FEE ☐

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:
Oil Well Gas Well Other

7. Lease Name or Unit Agreement Name:
Allen Com.

2. Name of Operator
Chi Operating, Inc.

7. Well No.
#2

3. Address of Operator
P.O. Box 1799 Midland, Texas 79702

8. Pool name or Wildcat

4. Well Location
Unit Letter G : 1650' feet from the NORTH line and 990' feet from the EAST line
Section 31 Township: 22S Range: 27E NMPM County: EDDY

10. Elevation *(Show whether DR, RKB, RT, GR, etc.)*

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				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	☐	MULTIPLE COMPLETION	☐	CASING TEST AND CEMENT JOB	☒		
OTHER:			☐				☐

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

Spud 5/29/03. Drld 17½" hole to 359' w/13 3/8" 61# csg. Cmtd w/Lead 265sxs "C" + 4% Gel + 2% CaCl2 + .25pps CF + Tail 100sxs "C" + 2% CaCl2 + .25pps CF, circ 145sxs. Tst & WOC 18hrs. Drld 12¼" hole to 5320' w/9 5/8" 36/40# csg. Cmtd w/1st Stage-Lead 850sxs 35:65:6 "C" + add. Tail 200sxs "C" + add. Cmt 2nd Stage-Lead 300sxs 35:65:6 "C" add. Tail 100sxs "C"+ add. Did not circ, WOC 18hrs.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Robin Askew TITLE REGULATORY CLERK DATE 7/18/03

Type or print name ROBIN ASKEW Telephone No. 915-685-5001

(This space for State use)
APPPROVED
BY FOR RECORDS ONLY DATE JUL 24 2003
Conditions of approval, if any:

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-103
Revised March 25, 1999

WELL API NO.
30-015-32795

5. Indicate Type of Lease STATE ☐ FEE ☐

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name: Allen Com.

1. Type of Well: Oil Well Gas Well Other

2. Name of Operator: Chi Operating, Inc.

7. Well No. #2

3. Address of Operator: P.O. Box 1799 Midland, Texas 79702

8. Pool name or Wildcat

4. Well Location

Unit Letter G : 1650 feet from the North line and 990 feet from the East line

Section 31 Township: 22S Range: 27E NMPM County: Eddy

10. Elevation *(Show whether DR, RKB, RT, GR, etc.)* GR -

SEP 2003 RECEIVED OCD ARTESIA

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	☐	MULTIPLE COMPLETION	☐	CASING TEST AND CEMENT JOB	☐		
OTHER:			☐				☐

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

Drld 7 7/8" hole to 11,891'. Ran E-logs. Ran 5½" 17/20# prod. csg, Pmpd 10 bbl spacer, Cmtd w/425sxs Super "C" Mod(15:61:11 + Add). TOC @ 9100', WOC 18 hrs. Released rig @ 12:00, 7/26/03.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Robin Askew TITLE Regulatory Clerk DATE 8-29-03

Type or print name Robin Askew Telephone No. 915-685-5001

(This space for State use)

APPPROVED BY Tim W. Gum TITLE SUPERVISOR, DISTRICT II DATE SEP 09 2003

Conditions of approval, if any:

Submit To Appropriate District Office
State Lease - 6 copies
Fee Lease - 5 copies
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 and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-105
Revised March 25, 1999

WELL API NO.
30-015-32795

5. Indicate Type of Lease
STATE ☐ FEE ☐

State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:
OIL WELL ☐ GAS WELL ☑ DRY ☐ OTHER

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DEC - 2 2003
OCD-ARTESIA

b. Type of Completion:
NEW WELL ☑ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER

7. Lease Name or Unit Agreement Name
Allen Com.

2. Name of Operator
Chi Operating, Inc.

8. Well No.
#2

3. Address of Operator
P.O. Box 1799 Midland, TX 79702

9. Pool name or Wildcat
Morrow

4. Well Location
Unit Letter H : 1650' Feet From The NORTH Line and 990' Feet From The EAST Line
Section 31 Township 22S Range 27E NMPM County EDDY

10. Date Spudded	11. Date T.D. Reached	12. Date Compl. (Ready to Prod.)	13. Elevations (DF& RKB, RT, GR, etc.)	14. Elev. Casinghead
5/29/03	7/23/03	10/01/03	GL 3174'	

15. Total Depth	16. Plug Back T.D.	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By	Rotary Tools	Cable Tools
11,891'	11,830'				

19. Producing Interval(s), of this completion - Top, Bottom, Name
11,747-757' Morrow

20. Was Directional Survey Made

21. Type Electric and Other Logs Run
CDL & CNL & Deviation Survey

22. Was Well Cored

23. **CASING RECORD** (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	61#	359'	17½"	365sxs,circ 145sxs	
9 5/8"	36/40#	5320'	12¼"	1st-1050sxs	
				2nd-400sxs,didn't cir	
5½"	17/20#	11,891'	7 7/8"	425sxs	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
402jts - 2 3/8"	12,081'	@ 11,616'

26. Perforation record (interval, size, and number)
11,747-757'
10,583-91'

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
	750gals 7½% Mrrw acid w/Methenol & N2

28 **PRODUCTION**

Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)	Well Status (Prod. or Shut-in)
10/01/03	Flowing	Producing

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
10/06/03	24	48/64			797		

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)
375#						

29. Disposition of Gas (Sold, used for fuel, vented, etc.)
Sold

Test Witnessed By
Sonny Mann

30. List Attachments

31. *I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief*

Signature Robin Askew
Printed Name ROBIN ASKEW Title REGULATORY CLERK Date 11/17/03

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depth 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		Northwestern New Mexico	
T. Anhy	T. Brushy Canyon 3790'	T. Ojo Alamo	T. Penn. "B"
T. Salt 1134'		T. Kirtland-Fruitland	T. Penn. "C"
B. Salt 1837'	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Lamar Lime 1878'	T. Miss	T. Cliff House	T. Leadville
Bell Canyon(T/Dela Sd) 1992'	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. 1st Bone Springs Carb 5298'	T. Mancos	T. McCracken
T. San Andres	T. 1st Bone Spring Sand 6222'	T. Gallup	T. Ignacio Otzte
T. Glorieta	T.2nd Bone Spring Sand 6824'	Base Greenhorn	T. Granite
T. Paddock	T. 3rd Bone Spring Sand 8369'	T. Dakota	T
T. Blinebry	T. Strawn	T. Morrison	T.
T.Tubb	T. Strawn	T.Todilto	T
T. Drinkard		T. Entrada	T.
T. Abo		T. Wingate	T.
T. Wolfcamp		T. Chinle	T.
T. Penn		T. Permian	T.
T. Cherry Canyon 2668'	T.	T. Penn "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from.....to..... No. 3, from.....to.....

No. 2, from.....to..... No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....

No. 2, from.....to.....feet.....

No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology

OPERATOR: CHI OPERATING
WELL/LEASE: ALLAN COM. 2
COUNTY: EDDY

500-0122

STATE OF NEW MEXICO
DEVIATION REPORT

135	1/2	9,244	2
258	1/2	9,436	2
355	1	9,625	2 3/4
512	1	9,732	3
683	1	9,798	3
874	1	9,918	3
1,135	2	10,235	4
1,357	2	10,394	4
1,612	2	10,574	4 1/4
1,802	1 1/2	10,639	3 3/4
2,055	1	10,703	3
2,372	1/2	10,829	3
2,690	1/2	11,022	2
3,007	1/2	11,277	3
3,324	3/4	11,445	2
3,642	1	11,891	1 3/4
3,959	1		
4,276	1/2		
4,782	1/2		
5,290	3/4		
5,524	1		
5,841	1/2		
6,160	2		
6,483	1		
6,801	1		
7,120	1		
7,594	1 1/4		
8,071	1 1/2		
8,546	1		
9,024	2		

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OCD-ARTESIA

By: Steve Moore

STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on this 29th day of July, 2003, by Steve Moore on behalf of Patterson-UTI Drilling Company LP, LLLP.

Joni D. Hodges
Notary Public for Midland County, Texas

My Commission Expires: 4/08/2007

JONI D. HODGES
NOTARY PUBLIC
STATE OF TEXAS
My Comm. Expires 4-8-2007

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

Chi Operating, Inc.
Allen Com. #2
Section H, T-22-S R-27E
Unit H, 1650' FNL & 990' FEL
G.L. 3174' K.B. 3190'
Eddy County, N.M.
API # 30-015-32795

Geological Tops/per Bryan G. Arrant-OCD

Top of Salt	**1134'(oper)**
Base of Salt	**1837'(oper)**
Delaware	**1992' (oper)**
Bone Spring	**5331'**
1st Bone Spring Sand	**6222'**
2nd Bone Spring Sand	**6824'**
3rd Bone Spring Sand	**8369'**
Wolfcamp	**8675'**
Strawn	**10218'**
Atoka	**10524'**
Morrow Clastics	**11287'**
Barnett	**11824'**

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104A
Revised June 10, 2003

Submit 1 copy of the final affected wells list along with 1 copy of this form per number of wells on that list to appropriate District Office

Change of Operator

Previous Operator Information:

OGRID: 004378
Name: CHI ENERGY INC
Address: Robin Askew
Address: PO Box 1799
City, State, Zip: Midland TX 79702

New Operator Information:

Effective Date: 10-1-03
New Ogrid: 14591
New Name: Merit Energy Company
Address: 13727 Noel Rd Ste 500
Address:
City, State, Zip: Dallas TX 75240

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information on this form and the attached list of wells is true and complete to the best of my knowledge and belief.

New Operator Signature: Michael Petree
Printed name: Michael Petree
Title: Regulatory Analyst
E-mail Address: mike.petree@meritenergy.com
Date: 12-9-03 Phone: 972-628-1625

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DEC 29 2003
OCD-ARTESIA

Previous operator complete below:

Previous Operator: CHI ENERGY INC
Previous OGRID: 004378
Signature: Robin Askew
Printed Name: Robin Askew
E-mail Address: robina@chienergyinc.com

NMOCD Approval

Signature: Tim W. Gum
Printed Name: District Supervisor
District:
Date: JAN 12 2004

30-015-32795

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104A
Revised June 10, 2003

Submit 1 copy of the final affected wells list along with 1 copy of this form per number of wells on that list to appropriate District Office

Change of Operator

Previous Operator Information:		New Operator Information:	
		Effective Date:	1-1-04
OGRID:	14591	New Ogrid:	004378
Name:	Merit Energy Company	New Name:	Chi Energy Inc
Address:	13727 Noel Rd Ste 500	Address:	P.O. Box 1799
Address:		Address:	
City, State, Zip:	Dallas TX 75240	City, State, Zip:	Midland TX 79702

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information on this form and the attached list of wells is true and complete to the best of my knowledge and belief.

New Operator Signature: CHI ENERGY INC
Printed name: Robin Askew
Title: Regulatory Clerk
E-mail Address: robina@chienergyinc.com
Date: 1-26-04 Phone: 432-685-5001

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JAN 27 2004
OCD-ARTESIA

Previous operator complete below:

Previous Operator: Merit Energy Comp.
Previous OGRID: 14591
Signature: Michael Petree
Printed Name: Michael Petree
E-mail Address: mike.petree@meritenergy.com

NMOCD Approval

Signature: Jim W. Gum
Printed Name: SUPERVISOR, DISTRICT II
District:
Date: JAN 29 2004

30-015-32795

Submit To Appropriate District Office
State Lease - 6 copies
Fee Lease - 5 copies
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 and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-105
Revised March 25, 1999

WELL API NO.
30-015-32795

5. Indicate Type of Lease
STATE ☐ FEE ☐

State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:
OIL WELL ☐ GAS WELL ☑ DRY ☐ OTHER

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OCD-ARTESIA

b. Type of Completion:
NEW WELL ☑ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER

7. Lease Name or Unit Agreement Name
Allen Com.

2. Name of Operator
Chi Operating, Inc.

8. Well No.
#2

3. Address of Operator
P.O. Box 1799 Midland, TX 79702

9. Pool name or Wildcat
~~Morrow~~ S. Carlsbad Morrow
73960

4. Well Location
Unit Letter H : 1650' Feet From The NORTH Line and 990' Feet From The EAST Line

Section 31 Township 22S Range 27E NMPM County EDDY

10. Date Spudded	11. Date T.D. Reached	12. Date Compl. (Ready to Prod.)	13. Elevations (DF& RKB, RT, GR, etc.)	14. Elev. Casinghead
5/29/03	7/23/03	10/01/03	GL 3174'	

15. Total Depth	16. Plug Back T.D.	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By	Rotary Tools	Cable Tools
11,891'	11,830'				

19. Producing Interval(s), of this completion - Top, Bottom, Name
11,747-757' Morrow

20. Was Directional Survey Made

21. Type Electric and Other Logs Run
CDL & CNL & Deviation Survey

22. Was Well Cored

23. **CASING RECORD** (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	61#	359'	17½"	365sxs,circ 145sxs	
9 5/8"	36/40#	5320'	12¼"	1st-1050sxs	
				2nd-400sxs,didn't cir	
5½"	17/20#	11,891'	7 7/8"	425sxs	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
402jts - 2 3/8"	12,081'	@ 11,616'

26. Perforation record (interval, size, and number)
11,747-757'
10,583-91'

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
	750gals 7½% Mrrw acid w/Methenol & N2

28 **PRODUCTION**

Date First Production	Production Method *(Flowing, gas lift, pumping - Size and type pump)*	Well Status *(Prod. or Shut-in)*
10/01/03	Flowing	Producing

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
10/06/03	24	48/64			797		

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - *(Corr.)*
375#						

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)*
Sold

Test Witnessed By
Sonny Mann

30. List Attachments

31 *I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief*

Signature Robin Askew Printed Name ROBIN ASKEW Title REGULATORY CLERK Date 11/17/03

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Brushy Canyon 3790'	T. Ojo Alamo	T. Penn. "B"
T. Salt 1134'		T. Kirtland-Fruitland	T. Penn. "C"
B. Salt 1837'	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Lamar Lime 1878'	T. Miss	T. Cliff House	T. Leadville
Bell Canyon(T/Dela Sd) 1992'	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. 1st Bone Springs Carb 5298'	T. Mancos	T. McCracken
T. San Andres	T. 1st Bone Spring Sand 6222'	T. Gallup	T. Ignacio Otzte
T. Glorieta	T.2nd Bone Spring Sand 6824'	Base Greenhorn	T. Granite
T. Paddock	T. 3rd Bone Spring Sand 8369'	T. Dakota	T
T. Blinebry	T. Strawn	T. Morrison	T.
T.Tubb	T. Strawn	T.Todilto	T
T. Drinkard		T. Entrada	T.
T. Abo		T. Wingate	T.
T. Wolfcamp		T. Chinle	T.
T. Penn		T. Permian	T.
T. Cherry Canyon 2668'	T.	T. Penn "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from.....to..... No. 3, from.....to.....

No. 2, from.....to..... No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....

No. 2, from.....to.....feet.....

No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88201
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-104
Revised March 25, 1999

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] Operator name and Address	[2] OGRID Number
CHI OPERATING, INC P.O. BOX 1799 MIDLAND, TEXAS 79702	004378
	[3] Reason for Filing Code: NW

[4] API Number	[5] Pool Name	[6] Pool Code
30-015-32795	Carlsbad; Morrow, South	73960
[7] Property Code: 32340	[8] Property Name: Allen Com.	[9] Well Number: #2

II. [10] Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West line	County
	31	22S	27E		1650'	NORTH	990'	EAST	EDDY

[11] Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date
		10/01/03			

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] POD	[21] O/G	[22] POD ULSTR Location and Description
[redacted]	NAVAJO	[redacted]	G	
[redacted]		[redacted]	[redacted]	
[redacted]		[redacted]	[redacted]	
[redacted]		[redacted]	[redacted]	
[redacted]		[redacted]	[redacted]	

RECEIVED
JAN 0 3 2005
OCD-ARTESIA

IV. Produced Water

[23] POD	[24] POD ULSTR Location and Description

V. Well Completion Data

[25] Spud Date	[26] Ready Date	[27] TD	[28] PBTD	[29] Perforations	[30] DHC, MC
5/29/03	10/01/03	11,891'	11,830'	11,747-757', 10,583-91'	

[31] Hole Size	[32] Casing & Tubing Size	[33] Depth Set	[34] Sacks Cement
17½"	13 3/8"	359'	365sxs, Circ 145sxs
12¼"	9 5/8"	5320'	1st-1050sxs, 2nd-400sxs didn't circ
7 7/8"	5½"	11,891'	425sxs

VI. Well Test Data

[35] Date New Oil	[36] Gas Delivery Date	[37] Test Date	[38] Test Length	[39] Tbg. Pressure	[40] Csg. Pressure
10/01/03	10/01/03	10/06/03	24 hr	375#	
[41] Choke Size	[42] Oil	[43] Water	[44] Gas	[45] AOF	[46] Test Method
48/64			797 MCF		

[47] I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: Robin Askew
Printed name: Robin Askew
Title: Regulatory Clerk
Date: 11/24/04 Phone: 432-685-5001

OIL CONSERVATION DIVISION

Approved by:
TIM W. GUM
DISTRICT II SUPERVISOR
Approval Date: JAN 0 3 2005

[48] If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature	Printed Name	Title	Date
	Robin Askew	Regulatory Clerk	11/24/03

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48/64			797 MCF		

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Signature:	Approved by: TIM W. GUM
Printed name:	DISTRICT II SUPERVISOR
Title:	Approval Date:
Date: Phone:	FEB 08 2005

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Previous Operator Signature	Printed Name	Title	Date
Robin Askew	Robin Askew	Regulatory Clerk	11/24/03