

COUNTY LEA FIELD Corbin STATE NM
 OPR CITIES SERVICE O&G API 30-025-29296
 NO 1 LEASE Federal "AD" MAP
 Sec 9, T18S, R33E COORD
 660 FNL, 1980 FWL of Sec 8-4-16 NM
 8 mi SE/Maljamar SPD 7-1-85 CMP 7-22-85

CSC

8 5/8-369-350 sx
 5 1/2-4310-1150 sx

WELL CLASS: INIT D FIN DO LSE CODE			
FORMATION	DATUM	FORMATION	DATUM
ID 4310 (QUEN)		PBD	4256

IP (Queen) Perfs 4206-4232 F 589 BOPD + 83 BW. Pot
 based on 24 hr test thru 1 chk. GOR (NR); gty (NR);
 CP Pkr; TP 25

CONTR Cactus Drlg #63 OPERLEV 3965 GR, *3977KB SUBS 11

8-24-85 F.R. 6-3-85
 7-2-85 PD 4350 (Queen)
 7-10-85 AMEND FIELD: Formerly Undesignated
 7-16-85 Drlg 370
 Drlg 4245
 TD 4310; PBD 4256; Prep Perf
 *Crd (Queen) 4198-4245, rec 47 FT, being:
 19 FT rd sd + 7 FT gry sd w/scatt bledg
 OIL + 8 FT rd & gry sd w/scatt bledg OIL
 + 10 FT rd sd + 3 FT delo
 No DST's
 7-23-85 TD 4310; PBD 4256; WOPT
 Perf (Queen) @ 4206, 4207, 4208, 4214, 4215,
 4216, 4221, 4222, 4223, 4224, 4225, 4226, 4227,
 4228, 4229, 4230, 4231, 4232 w/4 SPI
 *Acid (4206-4232) 2500 gals (15% NEFE)
 *Frac (4206-4232) 27,000 gals + 91,500# sd
 8-4-16 NM

LEA
CITIES SERVICE O&G

Corbin
1 Federal "AD"
Sec 9, T18S, R33E

NM
Page #2

8-19-85 TD 4310; PBD 4256; Complete
*LOG TOPS: Rustler 1522, Salt 1630, Base
Salt 2786, Yates 2992, Queen 4198
*LOGS RUN: GRL, CNL, LDT, CALP, DLL

*Denotes changes & additions

8-24-85 COMPLETION ISSUED
9-21-85 RE-ISSUED COMPLETION

8-4-86 NM
LC 30-025-70281-85

COUNTY **LEA** FIELD **Corbin** STATE **NM**
 OPR **CITIES SERVICE O&G** API **30-025-29296**
 NO **1** LEASE **Federal "AD"** MAP
Sec 9, T18S, R33E CO-ORD
660 FNL, 1980 FWL of Sec 8-4-16 NM
8 mi SE/Maljamar SPD **7-1-85** CMP **7-22-85**

CSG

8 5/8-369-350 SX
 5 1/2-4310-1150 SX

WELL CLASS: INIT D FIN DO LSE. CODE 55149			
FORMATION	DATUM	FORMATION	DATUM
TD 4310 (QUEN)		PBD 4256	

IP (Queen) Perfs 4206-4232 F 589 BOPD + 83 BW. Pot based
 on 24 hr test thru 1 chk. GOR (NR); gty (NR); CP Pkr; TP 25

CONTR **Cactus Drlg #63** OPRSELEV **3965 GR** SUBS **11**

F.R. 6-3-85
 PD 4350 RT (Queen)
 8-24-85 AMEND FIELD: Formerly Undesignated
 7-2-85 Drlg 370
 7-10-85 Drlg 4245
 7-16-85 TD 4310; PBD 4256; Prep Perf
 No Cores or DST's
 7-23-85 TD 4310; PBD 4256; WOPT
 Perf (Queen) @ 4206, 4207, 4208, 4214, 4215,
 4216, 4221, 4222, 4223, 4224, 4225, 4226, 4227,
 4228, 4229, 4230, 4231, 4232 w/4 SPI
 No treatment reported (4206-4232)
 8-19-85 TD 4310; PBD 4256; Complete
 8-24-85 COMPLETION ISSUED

8-4-16 NM
 IC 30-025-70281-85



**REPORT
of
SUB-SURFACE
DIRECTIONAL
SURVEY**

CITIES SERVICE

COMPANY

FEDERAL AD WELL NO. 1

WELL NAME

WEST TEXAS

LOCATION

JOB NUMBER

WT0785-C0342

TYPE OF SURVEY

CORE ORIENTATION

DATE

7/10/85

SURVEY BY
STEVE COVINGTON

OFFICE
WEST TEXAS

DECLINATION 10° EAST WEST
 AZIMUTH CORRECTION FOR DECLINATION
 EAST DECL. ☐ ADD TO AZIMUTH
 WEST DECL. ☐ SUB. FROM AZIMUTH

REFERENCE GROOVE CORRECTION:

FROM ABOVE, GROOVE IS Ø DEG. R/L
OF ORIENTATION LUG.

☐ RIGHT, ADD TO LUG AZIMUTH



1ST CORE

LAST FLASH 264

COMPANY Cities Service
LEASE Federal AD WELL NO. 1
FIELD _____
JOB NO. WT0785 C0342 DATE 7/9/85
OPERATOR Steve Covington
ASSISTANT _____
RIG/PLATFORM Cactus #63
FORMATION NAME Queens
FORMATION DESCRIP. Sand
INTERVAL CORED: START 4198
FINISH 4245
TIMER INTERVAL: 4 MIN.

[illegible]



(915) 563-0511

P.O. Box 6341/Terminal Station/Midland, TX 79711-0341

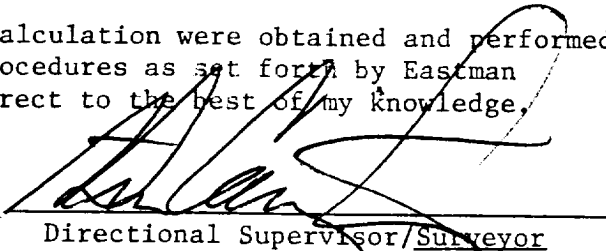
SURVEY CERTIFICATION SHEET

STATE OF TEXAS
COUNTY OF MIDLAND

I, STEVE COVINGTON, in the employ of Eastman Whipstock, Inc., did on the days of JULY 8, 1985 thru JULY 10, 1985 conduct or supervise the taking of a ORIENTED CORE survey by the method of magnetic orientation from a depth of 4198' feet to 4245' feet, with recordings of inclination and direction being obtained at approximate intervals of 3' feet.

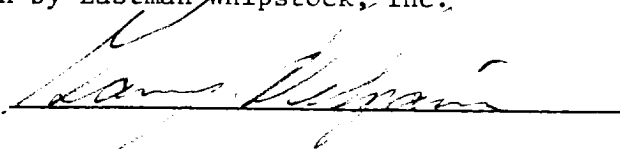
This survey was conducted at the request of CITIES SERVICE for their FEDERAL AD-1, LEA County, State of NEW MEXICO, in the _____ field.

This data for this survey and the calculation were obtained and performed by me according to standards and procedures as set forth by Eastman Whipstock, Inc. and is true and correct to the best of my knowledge.



Directional Supervisor/Surveyor

The data for this survey has been examined by me and confirms to principles and procedures set forth by Eastman Whipstock, Inc.

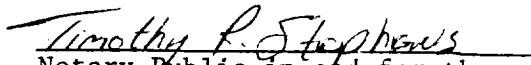


Before me, the undersigned authority, on this day personally appeared STEVE COVINGTON, known to me to be the person whose name is subscribed to this instrument, who after being by me duly sworn on oath, states that he has knowledge of all the facts stated above and that this information is a true statement of facts therein recited.

Subscribed and sworn to before me on this 11 day of July, 1985.



Timothy R. Stephens
Notary Public, State of Texas
My Commission Expires 4-1-89



Notary Public in and for the
County of Midland, Texas