

ORIGINAL

KCC

JUL 23

RELEASED SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LOCATION
AUG 0 2 1991

API NO. 15- 093-21,173 - 0000

County Kearny

CONFIDENTIAL

Sec. 15 Twp. 24S Rge. 37 East West

FROM CONFIDENTIAL

Operator: License # 5363

4620 Ft. North from Southeast Corner of Section

Name: BEREXCO INC

1980 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Address 970 Fourth Financial Center

Lease Name Graber Well # 2-15

Field Name Heartland

City/State/Zip Wichita, KS 67202

Producing Formation Marmaton

Purchaser: Central Crude Corporation

Elevation: Ground 3255 KB 3267

Operator Contact Person: Evan Mayhew

Total Depth 5100' PBDT 5058'

Phone (316) 265-3311

Contractor: Name: BEREDCO INC

License: 5147

Wellsite Geologist: Charles Spradlin, Sr.

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

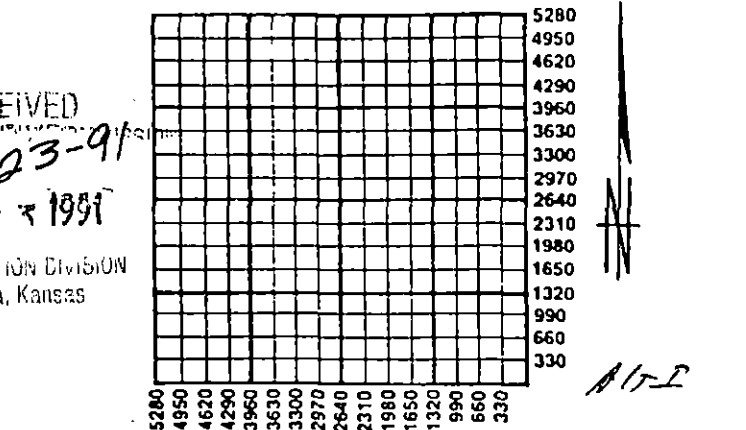
If OWO: old well info as follows:
Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable

3/20/91 4/1/91 4/25/91
Spud Date Date Reached TD Completion Date



Amount of Surface Pipe Set and Cemented at 1630' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 3319' Feet

If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.

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7-23-91
STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
Wichita, Kansas

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months. One copy of all wireline logs and drillers time log shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Evan C Mayhew
Title Division Engineer Date 7/22/91

Subscribed and sworn to before me this 22 day of July, 1991

Notary Public Willa J Martin

Date Commission Expires 12-17-94

WILLA J. MARTIN
Notary Public - State of Kansas
My Appt. Expires 12-17-94

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received

Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

PI

SIDE TWO

Operator Name BEREXCO INC Lease Name Graber Well # 2-15

Sec. 15 Twp. 24S Rge. 37 East West
 County Kearny

FROM CONFIDENTIAL

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Attach Additional Sheets.) Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.)	<p style="text-align: center;">Formation Description</p> <p style="text-align: center;"><input type="checkbox"/> Log <input checked="" type="checkbox"/> Sample</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:60%;">Name</th> <th style="width:20%;">Top</th> <th style="width:20%;">Bottom</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Name	Top	Bottom									
Name	Top	Bottom											

CASING RECORD New Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4	8 5/8	23#	1630	Lite/C	595/150	2%cc, 1/4# flocele
Production	7 7/8	5 1/2	15.5	5099	thixset	225	
			2nd stage	DV@ 3319	Lite/C	250/50	1/4# flocele

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	4390-94'	750 gals 15% HCL, 2000 gals 20% HCL	4390-94'
4	4366-72'	none	4366-72'

TUBING RECORD Size 2 3/8 Set At 4462 Packer At none Liner Run Yes No

Date of First Production 4/25/91 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
	60		0		0		-	33°

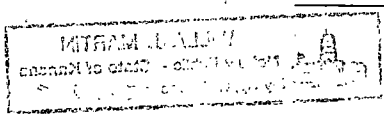
Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION

Open Hole Perforation Dually Completed Commingled

Other (Specify) _____

Production Interval 4366-94'



RELEASED

15-093-21173-0000 KCC
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DRILL STEM TESTS

FROM CONFIDENTIAL

GRABER #2-15
Section 15-24S-37W
Kearny Co., Kansas

CONFIDENTIAL
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DST #1 Marmaton, 4350-76', 15(30)120(120)
Blow: Weak inc to strong (initial)
Weak inc to strong (final)
Rec: 165' gas in pipe & 375' clean slightly gas cut oil (33° gty)
FP 61-67/83-169
SIP 742/764

*** NOTE *** No water in rec fluid.

DST #2 Marmaton, 4379-90', 15(30)120(120)
Blow: Very weak inc to 4" in bucket. (initial)
Moderate blow inc to bottom of bucket in 9 min. (final)
Rec: 1260' gas in pipe & 420' clean gassy oil & 190' slightly oil
cut mud. (1% oil).
FP 45-72/101-260
SIP 901/908

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Wichita, Kansas

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GEOLOGICAL REPORT

CONFIDENTIAL

FROM CONFIDENTIAL

Graber #2-15
Section 15-24S-37W
Kearny Co., Kansas

Formation	Sample Tops		Graber #1-5 Correlation			Log Tops		
	Depth	Datum	Depth	Datum	Corr.	Depth	Datum	Corr.
Base Heebner	3769	- 502	3746	- 479	-23			
Lansing	3820	- 553	3798	- 531	-22			
Lansing B	3874	- 607	3854	- 587	-20			
Lansing D	3942	- 675	3924	- 657	-18			
Lansing E	3970	- 703	3950	- 683	-20			
Lansing F	3989	- 722	3966	- 699	-23			
Kansas City A	4144	- 877	4124	- 857	-20			
Kansas City B	4220	- 953	4202	- 935	-18			
Kansas City C	4262	- 995	4242	- 975	-20			
Base Kansas City	4308	-1041	4286	-1019	-22			
Marmaton	4334	-1067	4312	-1045	-22			
Hefner Zone	4358	-1091	4344	-1077	-14			
Porosity	4358-64'							
Pawnee	4418	-1151	4400	-1133	-18			
Ft. Scott	4454	-1187	4436	-1169	-18			
Cherokee	4468	-1201	4449	-1182	-19			
Atoka	4605	-1338	4582	-1315	-23			
Morrow FM	4749	-1482	4718	-1451	-31			
Sand	4750	-1483	No. Corr.					

STATE OF KANSAS
 DEPARTMENT OF GEOLOGY
 STATE GEOLOGICAL SURVEY
 JUL 23 1991
 7-23-1991
 CONSERVATION DIVISION
 Wichita, Kansas