

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

API NO. 15- 007-22,270-00-00

County Barber

330' W C NE Sec. 15 Twp. 33 Rge. 12W X East West

3960 Ft. North from Southeast Corner of Section

1650 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

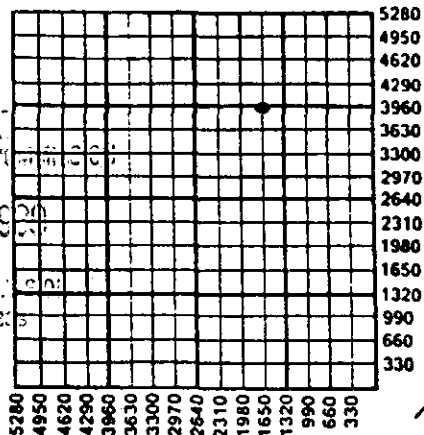
Lease Name Harbaugh Well # 1

Field Name Unknown (Rhodes Extension)

Producing Formation none

Elevation: Ground 1434 KB 1439

Total Depth 3600' PBTD _____



Amount of Surface Pipe Set and Cemented at: 429 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Operator: License # 4581

Name: EXOK, Inc.

Address 6410 B. North Santa Fe

City/State/Zip Oklahoma city, OK 73116

Purchaser: _____

Operator Contact Person: Cindy Heinze

Phone (405) 840-9196

Contractor: Name: Red Tiger Drilling

License: 5302

Wellsite Geologist: Tom Funk

Designate Type of Completion 12-4-89

New Well Re-Entry Workover

Oil SWD Temp. Abd.

Gas Inj Delayed Comp.

Dry Other (Core, Water Supply, etc.)

If OMAO: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

10-31-89 11-7-89 11-8-89

Spud Date Date Reached TD Completion Date

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 James W. Wallis

Title James W. Wallis, President Date 11/27/89

Subscribed and sworn to before me this 27th day of November, 19 89

Notary Public Cynthia K. Heinze

Date Commission Expires 6/9/93

K.C.C. OFFICE USE ONLY		
F	<input type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input type="checkbox"/>	Drillers Timelog Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep
<input checked="" type="checkbox"/>	KGS	<input type="checkbox"/> Plug
		<input type="checkbox"/> NGPA
		<input type="checkbox"/> Other
		(Specify)

X PI

SIDE TWO

Operator Name EXOK, Inc. Lease Name Harbaugh Well # 1
 Sec. 15 Twp. 33 Rge. 12W East County Barber
 West

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 Yes No
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy.)
 DST #1: 3,448'-3,475'
 30-30-45-45. Recovered 60' mud, 240' salt water. 105,000ppm chlorides.
 IFP 107-107; ISIP 1196; FFP 193-193; FSIP 1196.

Formation Description		
Name	Top	Bottom
Tarkio	2,840'	
Topeka	3,092'	
Kanawaka	3,388'	
Elgin Sand	3,448'	
Oread	3,538'	
Heebner	3,581'	
Snyderville	3,591'	
TD	3,597'	

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 1/2	8 5/8	20#	429'	60/40 poz	220	2%gel, 3%cc

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth

TUBING RECORD Size Set At Packer At Liner Run Yes No

Date of First Production _____ Producing Method Flowing Pumping Gas Lift Other (Explain) _____
 Estimated Production Per 24 Hours
 Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)
 METHOD OF COMPLETION: Open Hole Perforation Dually Completed Conmingled
 Other (Specify) _____
 Production Interval _____

BJ-TITAN SERVICES COMPANY

NOV 20 1989

ORIGINAL

11/08/89

13-895-5821	NET AMOUNT DUE 30 DAYS FROM DATE OF INVOICE	BJ-TITAN SERVICES P.O. BOX 100806 HOUSTON, TX 77212
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1	YN075
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EXOK, INC.
6401 B NORTH SANTA FE
OKLAHOMA CITY OK 73116

541254

WELL NUMBER : 1 CUSTOMER NUMBER : 12024000

LEASE NAME AND NUMBER	STATE	COUNTY	LEASE NO.	DISTR. NAME	DISTR. NO.
HARBAUGH	14			MEDICINE LODGE	3350
LOC. NO.	DATE	TYPE OF WELL			
UNKNOWN	11/08/89	LAND-PLUG AND ABANDON			

PRODUCT NUMBER	QUANTITY	DESCRIPTION	UNIT PRICE	UNIT	EXTENDED PRICE
10102105	1.00	CEMENTING THRU TUBING 300 TO 1500 F	375.00		375.00
10102110	750.00	PLUS PER FOOT BELOW 300 FT	0.42		315.00
10109005	30.00	MILEAGE CHRG, FROM NEAREST BASE OF	1.10		33.00
10430538	1.00	8-5/8 DRY HOLE PLUG	12.00	EA	12.00
10410504	69.00	CLASS "A" CEMENT	5.30	CF	365.70
10415018	46.00	DIAMIX F	2.61	CF	120.06
10420145	5.93	BJ-TITAN GEL, BENTONITE, BULK SALES	6.75	CW	40.03
10940101	78.00	DRAYAGE, PER TON MILE	0.70		54.60
10880001	115.00	MIXING SEVICE CHRG DRY MATERIALS, P	0.95		109.25
RECEIVED STATE COMMISSION FEB - 4 1989 CONSERVATION DIVISION			SUBTOTAL		1,424.64
			DISCOUNT		242.19

4.25000% STATE TAX
1.00000% COUNTY TAX

446.36
446.36

18.97
4.47

COPY

TAX EXEMPTION STATUS:

PAY THIS AMOUNT

1,205.89

Must be approved by the K.C.C. five (5) days prior to commencing well

Expected Spud Date 11 1 89
month day year

15-007-22,270-00-00
E/2-W/2-NE
330 W C NE Sec 15, Twp 33 S, Rg 12W East West

OPERATOR: License # 4581
Name: EXOK, INC.
Address: 6410 B. North Santa Fe
City/State/Zip: Oklahoma City, Oklahoma 73116
Contact Person: Cindy Heinze
Phone: 405-840-9196

3960 feet from South line of Section
1650 feet from East line of Section
(Note: Locate well on Section Plat Below)

CONTRACTOR: License # 5302
Name: Red Tiger Drilling Company

County: Barber
Lease Name: Harbaugh Well #: 1
Field Name: (Rhodes) UNKNOWN
Is this a Prorated Field? ... yes no
Target Formation: Elgin, Miss
Nearest lease or unit boundary: 330
Ground Surface Elevation: N/A feet MSL
Domestic well within 330 feet: ... yes no
Municipal well within one mile: ... yes no
Depth to bottom of fresh water: 150-100'
Depth to bottom of usable water: 250-180'
Surface Pipe by Alternate: 1 ... 2
Surface Pipe Planned to be set: 400
Conductor pipe required: N/A
Projected Total Depth: 4500
formation at Total Depth: Miss
Water Source for Drilling Operations:
well farm pond ... other:
DWR Permit #: N/A
Will Cores Be Taken?: ... yes no
If yes, proposed zone:

Well Drilled for: Well Class: Type Equipment:
X Oil ... Inj ... Infield X Mud Rotary
... Gas ... Storage X Pool Ext. ... Air Rotary
... OWD ... Disposal ... Wildcat ... Cable
... Seismic; ... # of Holes

OCT 24 1989

If OWD: old well info as follows:
Operator: ...
Well Name: ...
Comp. Date: ... Old Total Depth: ...

Directional, Deviated or Horizontal wellbore? ... yes no
If yes, total depth location: ...

Exp. 4/25/90

200' Alt. I Req.

AFFIDAVIT

PUSHER Everett Higgins
TD 3600 FORMATION Elgin
SURFACE PIPE 8 5/8 @ 429'
ANHYDRITE _____ ELEVATION _____
STARTING TIME & DATE 11-8-89 @ 5:00 AM
COMPLETION TIME & DATE 11-8-89 @ 7:00 AM
1st PLUG @ 1050 FT. W/ 50 SX
2nd PLUG @ 450 FT. W/ 40 SX
3rd PLUG @ 40 FT. W/ 10 SX
4th PLUG @ _____ FT. W/ _____ SX
RAT HOLE CIRCULATED W/ 15 SX
MOUSE HOLE CIRCULATED W/ _____ SX
WATER WELL PLUGGED W/ _____ SX
CEMENT COMPANY D.G.
TECHNICIAN D.G.
TYPE OF CEMENT 60/40 67c

Spud 10-31-89

RECEIVED
NOV 28 1989
CONSERVATION DIVISION
Wichita, Kansas

5280	2310
4950	1980
4620	1650
4290	1320
3960	990
3630	660
3300	330
2970	
2640	
2310	
1980	
1650	
1320	
990	
660	
330	

6 months of effective date.)

REMEMBER TO:

- File Drill Pit Application (form CDP-1) with Intent to Drill;
- File Completion Form ACO-1 within 120 days of spud date;
- File acreage attribution plat according to field proration orders;
- Notify appropriate district office 48 hours prior to workover or re-ent;
- Submit plugging report (CDP-4) after plugging is completed;
- Obtain written approval before disposing or injecting salt water.