

ORIGINAL **CONFIDENTIAL**  
SIDE ONE

RELEASED  
RECEIVED  
STATE CORPORATION COMMISSION  
MAR 05 1992

FFR 14 1991

FROM CONFIDENTIAL

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

Operator: License # 302172

Name: ROBBA EXPLORATION, INC.

Address 230 N. Market

Wichita, KS 67202

City/State/Zip

Purchaser: Texaco

Operator Contact Person: Richard Robba

Phone ( 316 ) 264-6653

Contractor: Name: ALLEN DRILLING COMPANY

License: 5418

Wellsite Geologist: Richard A. Robba

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  Temp. Abd.

Gas  Inj  Delayed Comp.

Dry  Other (Core, Water Supply, etc.)

If OWMO: old well info as follows:

Operator: N/A

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Drilling Method:

Mud Rotary  Air Rotary  Cable

12/04/90 12/13/90 1/21/91

Spud Date \_\_\_\_\_ Date Reached TD \_\_\_\_\_ Completion Date \_\_\_\_\_

API NO. 15- 007-22,349 -00-00

County Barber Wichita, Kansas

NW NW NW Sec. 8 Twp. 31S Rge. 12  East West

4950 Ft. North from Southeast Corner of Section

4950 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

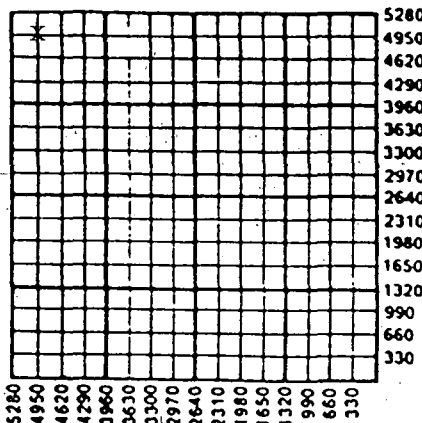
Lease Name gress Well # 5

Field Name Nurse

Producing Formation Mississippi

Elevation: Ground 1725 KB 1730

Total Depth 4660 PBTD \_\_\_\_\_



Amount of Surface Pipe Set and Cemented at 250 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.

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.

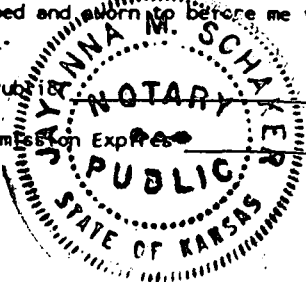
Signature Richard A. Robba

Title Geologist Date 2/14/91

Subscribed and sworn to before me this 14 day of February, 1991.

Notary Public [Signature]

Date Commission Expires 3-15-93



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

CONFIDENTIAL

Operator (Name) ROBBA EXPLORATION, INC. Lease Name GRESS Well # 5

Sec. 8 Twp. 31 Rge. 12  East  West County Barber

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.)

Formation Description  
 Log  Sample  
Name Top Bottom  
Topeka 3358 Viola 4492  
Heebner 3612 Simpson 4584  
Lansing 3822 RTD 4660  
Mississippi 4328  
DST#4 4375-4510 time 30,45,45,60  
I&FFP 167-220,260-332,I&FCIP 1091-1026  
Hyd 2234-2212, Rec 510'MSW

DST#1 3636-3684 time 30,45,45,45  
I&FFP 67-83,105-123,I&FCIP 604-582  
HYD1756-1736,REC 7,600CFPD,210'mw  
DST#2 3733-3753 time 30,45,60,60  
I&FFP 43-56,78-125, I&FCIP 1254-1780  
HYD 1791-1780REC 4,600cfpd,230vsliocmsw  
DST#3 4288-4364 time 30,90,60,120  
I&FFP67-78,101-123,I&FCIP 1703-1685  
HYD 2156-2156REC 17,800cfpd 200'hocdm

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"	20	250	60/40poz	165	2%gel 3%A-7P
production	7-7/8	4-1/2"	10.5	4659	surefill	150	koiseal

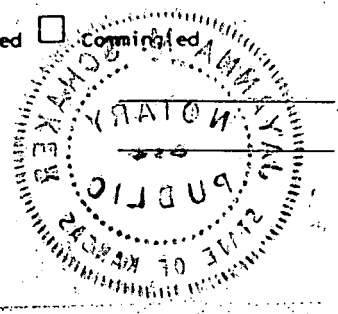
Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	4328-4338, 4339-4349, 4351-4361	200galMCA, 3000gals 10%, 16,000# of sd cross link gel	

TUBING RECORD Size 2 3/8 Set At 4408 Packer At na Liner Run  Yes  No

Date of First Production 1/24/91 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours Oil 10 Bbls. Gas 15 Mcf Water 3 Bbls. Gas-Oil Ratio 32 Gravity

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



# ORIGINAL CEMENTING LOG

CONFIDENTIAL  
RELEASED  
STAGE NO. 510

Company: Helen Drilling District: Med. 6006 Ticket No: 636383  
 Lease: 6055 Rig: 10, 7001342  
 County: BARBER Well No: 2  
 Location: B-36-120 State: KANSAS  
 Field: NURSE NE  
WENONA SCHOOL 3 1/2 mi. N. THRU PASTURE

CASING DATA  
 Surface: 4 Intermediate:  Squeeze:   
 Size: 3 7/8 Type: NEW Production:  Liner:   
 Weight: 20# Collar: ST-6

Casing Depth: Top 115 Bottom 260'

Drill Pipe Size: 4 1/2 Weight: 16.6# Collars: XH  
 Open Hole Size: 4 1/4 T.D.: 260 ft. P.B. to: \_\_\_\_\_

CAPACITY FACTORS  
 Casing: Bbls/Lin. ft. 0.0650 Lin. ft./Bbl. \_\_\_\_\_  
 Open Holes: Bbls/Lin. ft. 1.4581 Lin. ft./Bbl. 6.85  
 Drill Pipe: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Annulus: Bbls/Lin. ft. 0.0735 Lin. ft./Bbl. 13.6  
 Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt \_\_\_\_\_

CEMENT DATA  
 Spacer Type: 5 Bbls FRESH H<sub>2</sub>O  
 Amt \_\_\_\_\_ Skys Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ ppg

LEAD: Pump Time \_\_\_\_\_ hrs. Type \_\_\_\_\_  
 Amt \_\_\_\_\_ Skys Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ ppg

TAIL: Pump Time 40:60.2 hrs. Type 3 7/8 H-TL  
 Amt 165 Skys Yield 1.24 ft<sup>3</sup>/sk Density 14.3 ppg  
 WATER: Lead \_\_\_\_\_ gals/sk Tail 5.6 gals/sk Total 16.7 ppg

Pump Truck Used: 2902-6431 MAX BALL  
 Bu. Equip: 2906-6435 JOHN N. KELLEY

Float Equip: Manufacturer: 1000 Type: 1 1/4 DIA  
 Shoe Type: \_\_\_\_\_ Depth: \_\_\_\_\_  
 Float Type: CONSERVATION DIVISION Depth: \_\_\_\_\_  
 Centralizers: Quantity: 2 Kansas Plugs Top: WOOD Btm: \_\_\_\_\_

Stage Collars: \_\_\_\_\_  
 Special Equip: \_\_\_\_\_  
 Disp. Fluid Type: FRESH H<sub>2</sub>O Amt \_\_\_\_\_ Bbls Weight: 8.34 ppg  
 Mud Type: \_\_\_\_\_ Weight: \_\_\_\_\_ ppg

COMPANY REPRESENTATIVE: MIKE KERN CEMENTER: KEVIN BRONBART

TIME	PRESSURES PSI	FLUID PUMPED DATA				REMARKS
		DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped/Per Time/Period	
2:00						ON LOCATION, RIG UP
						JOB + SAFETY MTD.
						RUN 3 7/8 CASING + LEAK CIRCULATION
3:45	260					RIG UP TO CEMENT PUMP
	250			5	5	START H <sub>2</sub> O
	250			4 1/2	36 1/2	ADD IN - START CEMENT
	30					CEMENT IN - STOP PUMPS
4:00	100			5 1/2	15 1/2	CHANGE VALVES - RELEASE PLUG
						START DISPLACEMENT
						PLUG DOWN
						SET PLUG TO GET CEMENT



PO. Box 4442  
Houston, Texas 77210

RELEASED

# ORIGINAL CEMENTING LOG

STAGE NO. **CONFIDENTIAL**

Date 12-14-90 District M. Linn 1-4 Ticket No. 131426  
 Company Robb's Explor Rig Q11 #2  
 Lease Cross Well No. 5  
 County Barber State Ks  
 Location N. W. 1/4 - N. 1/2 - 8-13-12 W Field LW 31  
2 E. 1/4 - Midway - L. 1/2  
 CASING DATA: PTA  Squeeze   
 Surface  Intermediate  Production  Liner   
 Size 4 1/2 Type M 50 Weight \_\_\_\_\_ Collar ER

Casing Depths: Top 27 5/8 " Bottom 4659

Drill Pipe: Size \_\_\_\_\_ Weight \_\_\_\_\_ Collars \_\_\_\_\_  
 Open Hole: Size 7 7/8 T.D. 4110 ft. P.B. to 4659 ft.  
 CAPACITY FACTORS:  
 Casing: Bbls/Lin. ft. 0.159 Lin. ft./Bbl. 6.370  
 Open Holes: Bbls/Lin. ft. 0.103 Lin. ft./Bbl. 11.5993  
 Drill Pipe: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Annulus: Bbls/Lin. ft. 0.403 Lin. ft./Bbl. 2.4814  
 Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt \_\_\_\_\_

CEMENT DATA:  
 Spacer Type: \_\_\_\_\_ FROM CONFIDENTIAL  
 Amt. \_\_\_\_\_ Sks, Yield \_\_\_\_\_ FEB 14 1991 \_\_\_\_\_ PPG  
 \_\_\_\_\_  
 CONSERVATION DIVISION  
 LEAD: Pump Time \_\_\_\_\_ Wichita, Kansas \_\_\_\_\_  
12 500 G. 1 BT Mud Sweep Excess \_\_\_\_\_  
 Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG  
 TAIL: Pump Time \_\_\_\_\_ hrs. Type S. Fill  
1700 1 Excess \_\_\_\_\_  
 Amt. 15 7 Sks Yield 1.4 ft<sup>3</sup>/sk Density 15 PPG  
 WATER: Lead \_\_\_\_\_ gals/sk Tail 6 1/2 gals/sk Total 21.78 Bbls

Pump Trucks Used PSV 4083 PSV 4083  
 Bulk Equip. PSV 4083 \_\_\_\_\_  
 \_\_\_\_\_  
 Float Equip: Manufacturer \_\_\_\_\_  
 Shoe: Type Cement Depth 4659  
 Float: Type \_\_\_\_\_ Depth 4617  
 Centralizers: Quantity 5 Plugs Top 4003 Btm. 4649  
 Stage Collars 814 \_\_\_\_\_  
 Special Equip. BSI \_\_\_\_\_  
 Disp. Fluid Type H<sub>2</sub>O Amt 76 Bbls. Weight 8.34 PPG  
 Mud Type Cement Weight 9.2 PPG

COMPANY REPRESENTATIVE Carey Boate

CEMENTER Max E. Waff

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min	
01:50	46	2 3/4	16.4	2.0 min	8	Circulate Mud
02:05			12	2	6	Mud Sweep
02:18			37.5	6.25	6	Mix Cement
02:25						Release plug
02:45			76	12.50	6	Pump Plug