

FORM MUST BE TYPED

SIDE ONE

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

ORIGINAL

API NO. 15- 15-077-21,206-0001

County HARPER

- C - S/2 - SW Sec. 35 Twp. 32S Rge. 5 X W

660 Feet from (S) (circle one) Line of Section

1320 Feet from (N) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
■, ■, ■, (S) (circle one)

Lease Name RAYMOND DUNCAN "OWNED" Well # 1-35

Field Name FREEPORT TOWNSITE EXT

Producing Formation STALNAKER SAND

Elevation: Ground 1298 KB 1307

Total Depth 3500 PBDT 3417

Amount of Surface Pipe Set and Cemented at 328 Feet

Multiple State Cementing Collar Used? Yes X No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan REWORK 9/2 11-19-96
(Data must be collected from the Reserve Pft)

Chloride content UNKNOWN ppm Fluid Volume UNKNOWN bbls

Dewatering method used UNKNOWN

Location of fluid disposal if hauled offsite:

Operator Name _____

Lease Name _____

Quarter Sec. Twp. Rng. W

County Docket No:

Operator: License # 31657

Name: WESTLAKE ENERGY CONSULTANTS, INC.

Address 4165 E. THOUSAND OAKS BLVD.

SUITE 211

City/State/Zip WESTLAKE VILLAGE, CA 91362

Purchaser: WESTERN GAS RESOURCES

Operator Contact Person: TRAVIS RANDOLPH

Phone (805) 371-8418

Contractor: Name: LOBO DRILLING

License: 5864

Wellsite Geologist: PAUL E. BARKER

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SLOW Temp. Abd.

X Gas ENHR SIGW

Dry Other (Core, WSW, Expl., Cathodic, etc.)

If Workover/Re-Entry: Oil well info as follows:

Operator: WILLIAM H. DAVIS

Well Name: RAYMOND DUNCAN #1-35

Comp. Date was TA'd Old Total Depth 3500'

Deepening Re-Perf. Conv. to Inj/SWD
Plug Back PBDT

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

2-3-91 Date of REENTRY Date Reached TD 5/24/91 Completion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 South Market, Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 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 geological well report 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.

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 Thomas C. Larson

Title AGENT Date 11/12/96

Subscribed and sworn to before me this 12TH day of NOVEMBER, 1996.

Notary Public Carol S. Larson

Date Commission Expires 6-8-97

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
KCC SWD/Rep _____ NGPA _____
KGS _____ Plug _____ Other _____
(Specify)



SIDE TWO

Operator Name WESTLAKE ENERGY CONSULTANTS, INC. Lease Name RAYMOND DUNCAN Well # 1-35

Sec. 35 Twp. 32S Rge. 5 East West
 County HARPER

Instructions: Show important tops and base of formation 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.)
 List All E. Logs Run:
 DUAL INDUCTION
 COMP NEUTRON DENSITY

Log Formation (Top), Depth and Datums Sample

Name	Top	Datum
HOWARD LM	2445	-1138
TOPEKA LM	2636	-1329
HEEBNER SH	3025	-1718
AMAZONIA LM	3101	-1794
IATAN LM	3351	-2044
STALNAKER SS	3378	-2071

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	24#	328	60/40 POZ	200	2% GEL, 3% CC
PROD	7-7/8	4-1/2	10.5#	3490	60/40 POZ	200	2% GEL, 10% SALT
							6# GILSONITE

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	3391-96	250 GAL 7-1/2% CLEAN UP ACID	3391-96

TUBING RECORD

Size 2-3/8" Set At _____ Packer At 3361' Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. 5/17/91 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas 98 MCFPD	Water Bbls.	Gas-Oil Ratio	Gravity

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

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Other (Specify)

Production Interval: Commingled 3391-96

Operator Name WESTLAKE ENERGY CONSULTANTS, INC.

Lease Name RAYMOND DUNCAN Well # #1-35

Sec. 35 Twp. 32S Rge. 5

East

County HARPER

West

ORIGINAL

DRILL STEM TEST #1

Interval tested: 3385-95
Times tool opened: 15-60-60-123
Initial hydrostatic pressure: 1616
Initial flow pressures: 13-13
Initial shut-in pressure: 767
Final flow pressures: 72-72
Final shut-in pressure: 763
Final hydrostatic pressure: 1560
Bottom hole temperature: 108 °F
Recovery: 2' OIL-SPOTTED MUD

DRILL STEM TEST #2

Interval tested: 3390-3410 STRADDLE TEST
Times tool opened: 20-57-60-126
Initial hydrostatic pressure: 1621
Initial flow pressures: 59-59
Initial shut-in pressure: 1379
Final flow pressures: 39-39
Final shut-in pressure: 1410
Final hydrostatic pressure: 1572
Bottom hole temperature: 106 °F
Recovery: 30' GAS-CUT MUD, GTS 20 MIN, GAUGED 30 MCFD

RECEIVED
HARPER COUNTY
NOV 14 11-53

BJ-TITAN SERVICES

P.O. BOX 4442 HOUSTON, TX 77210

CEMENTING LOG

STAGE NO.

ORIGINAL

Date 4-30-90 District MEO LOOSE Ticket No. 610735
 Company William H Davis Rig 1080
 Lease Ocean Well No. 1
 County HARRIS State KANS
 Location Essex 15 1/2N - E15 Field _____

CEMENT DATA:
 Spacer Type: BT Mud Sweep w/ 1/2" SAND
 Amt. 500 Sk Yield _____ ft³/sk Density _____ PPG

CASING DATA PTA Squeeze
 Surface Intermediate Production Liner
 Size 4 1/2 Type USED Weight 10.5 Collar _____

LEAD: Pump Time _____ hrs. Type 40160.7 102.4.5
6*0-70/sk-1401700-21-EP-8 Excess _____
 Amt. 700 Sk Yield 1.38 ft³/sk Density 14.3 PPG

Casing Depths: Top 8518 328 Bottom 4 1/2

TAIL: Pump Time _____ hrs. Type _____ Excess _____
 Amt. _____ Sk Yield _____ ft³/sk Density _____ PPG
 WATER: Lead 5.9 gals/sk Tail _____ gals/sk Total _____ Bbls.

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size 7 7/8 T.D. 3500 ft. P.B. to 3490 ft.
 CAPACITY FACTORS: SRT AT

Pump Trucks Used BSU2902-BSU681 1.0
 Bulk Equip. 2013 MW

Casing: Bbls/Lin. ft. 0.159 Lin. ft./Bbl. 62.70
 Open Holes: Bbls/Lin. ft. 0.602 Lin. ft./Bbl. 16.593
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. 0.406 Lin. ft./Bbl. 24.6474
 Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

Float Equip: Manufacturer BAKER
 Shoe: Type REG Depth 3450
 Float: Type AUTOSET II / BALL Depth 3450
 Centralizers: Quantity 8 Plugs Top 1 Btm. _____
 Stage Collars _____
 Special Equip. 2-LIMIT RINGS
 Disp. Fluid Type 2% KAL Amt. 55 Bbls. Weight 9.48 PPG
 Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE Brad Beck

CEMENTER Neal Pump

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min	
5:50						Job AND EARLY PROCEDURES
6:15	700 330					Ran 4 1/2 USED CASING TO 3490' Drop BALL FOR INSERT REG CEMENT HEAD TO CHANG AND MUD PUMP Pump BALL THROUGH CIRCULATE START ROTATING PIPE REG CEMENT HEAD TO PUMP TRUCK
7:15	400 500			12.0 49.0	5 7	START MUD SWEEP VIA 4 1/2 SWEEP IN START CEMENT CEMENT IN SHUT DOWN / STOP ROTATING
7:25			61.0	(6 BBL SWEEP IN ANNULUS)		WASH OUT PUMP + LINES (6 BBL FLUSH IN ANN)
7:30	150 150 300 600			6 6 33 19	6 5 5 2	RELEASE PLUG START DISP + ROTATING FLUSH AT SHOE CEMENT AT SHOE / SLOW RATE / STOP ROTATING PSE UP STEADY SLOW RATE FINAL DISP PSE
8:45	1100 0		55.0	2		LAND PLUG RELEASE PSE FLOAT HELD 6

FINAL DISP. PRESS: 600 PSI BUMP PLUG TO 1100 PSI BLEEDBACK 1/4 BBLs. THANK YOU

Note: Must accompany job ticket.

