

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

Operator: License # 06113
Name Landmark Oil Exploration, Inc.
Address 110 S. Main, Suite 510
City/State/Zip Wichita, Kansas 67202

Purchaser Koch Oil Company

Operator Contact Person Jeff Wood
Phone (316) 265-8181

Contractor: License # 5883
Name Warrior Drilling Company

Wellsite Geologist Bob O'Dell
Phone (316) 721-2175

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

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

WELL HISTORY

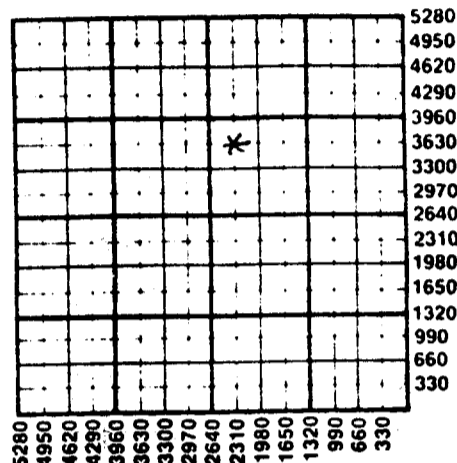
Drilling Method:
 Mud Rotary Air Rotary Cable
8-19-87 8-29-87 9-29-87
Spud Date Date Reached TD Completion Date
4644'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 264 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set feet
If alternate 2 completion, cement circulated from feet depth to w/SX cmt
Cement Company Name
Invoice #

API NO. 15-101-21,409-00-00
County Lape
NW SW NE Sec 36 Twp 17S Rge 29 East West
3630 Ft North from Southeast Corner of Section
2310 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Boomhower Well # 1-36
Field Name Boomhower Field
Producing Formation Cherokee
Elevation: Ground 2780' KB 2787'

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Repressuring

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit #
Groundwater Ft North from Southeast Corner (Well) Ft West from Southeast Corner of Sec Twp Rge East West
Surface Water Ft North from Southeast Corner (Stream, pond etc) Ft West from Southeast Corner Sec Twp Rge East West
Other (explain) (purchased from city, R.W.D. #)

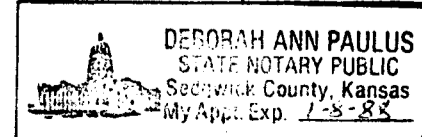
INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential 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. 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 Jeffrey R. Wood
Title President Date 11-06-87

Subscribed and sworn to before me this 6th day of November 1987.
Notary Public Deborah Ann Paulus

Date Commission Expires January 8, 1988



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

NOV 10 1987
11-10-87

Sec. 36 Twp. 17 Rge. 29 W

DAILY COMPLETION REPORT

#1-36 Boomhower
NW SW NE, Sec. 36-17S-29W
Lane County, Kansas

- 9-09-87 Great Guns Logging ran correlation cement bond log.
- 9-10-87 Move in and rig up Hembree. Cement upper stage with 310 sxs of Halliburton Lite. Circulated to the pits.
- 9-11-87 Perforate Johnson Zone, 4544-4547 with 4 shots per foot, 4550-4553 with 4 shots per foot. Good show of oil natural. Run tubing to swab.
30" swab tests thru tubing.
6.38 50% oil
8.70 100% oil
8.12 100% oil
6.38 100% oil
5.22 100% oil
- 9-14-87 Weekend fill up 3353' fluid, 100% oil. Preparing to acidize - 1000 gallons 15% NE at 3/4 BPM 500#. Swab back 70 barrels (66 bbl. load). 1 hour swab 20.88, 100% oil from 3200'. Pulling tubing, preparing to put on pump.
- 9-15-87 Ran 16' mud anchor and seating nipple; 145 jts. of 2 3/8" tubing set at 4577.77'; 6' gas anchor; 2x1 1/2x12 BHP; 2' pony rod; 181 3/4" rods; 8x4x2 pony rod; 16' polished rod, 1 1/2x1 1/2; 6' hard liner. Hembree moved off location.
- 9-29-87 Put on pump.
- 10-3-87 Produced 93 barrels of oil.
- 10-04-87 Produced 96 barrels of oil.
- 10-5-87 Produced 97 barrels of oil.
- 10-6-87 Produced 93 barrels of oil.
- 10-09-87 Shot fluid level. 2033' of fluid above our perms. Pumping 93 barrels of oil per day.

FINAL REPORT

10-16-87 one week later

98 JOINTS DOWN

lost 17 JOINTS Fluid

ORIGINAL INVOICE



REMIT TO:
P.O. BOX 651046
DALLAS, TX 75265

INVOICE NO.	DATE
418574	09/10/19

WELL LEASE NO.		WELL LOCATION		STATE	WELL OWNER
BOOMHOWER 1-36		LANE		KS	SAME
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
HAYS		HEMBREE	TOP OUTSIDE PRODUCTION CASING		09/10/19
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE N
494648	RUSSELL BRIGHT			COMPANY TRUCK	4581

LANDMARK OIL EXPLORATION
110 SOUTH MAIN
SUITE 510
WICHITA, KS 67202

DIRECT CORRESPONDENCE TO:
SUITE 600
COLORADO DERBY BUILDING
WICHITA, KS 67202-0000

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	MILEAGE	35	MI	2.10	73.50
		1	UNT		
001-016	CEMENTING CASING PUMP CHARGE	2208	FT	879.00	879.00
		1	UNT		
504-118	HALLIBURTON LIGHT CEMENT	290	SK	4.92	1,426.80
507-210	FLOCELE	120	LB	1.21	145.20
500-069	RETURN TRIP MILEAGE	306.565	TMI	.70	214.60
500-066	RETURNS-CEMENTING MATERIALS	190	CFT	.32	60.80
500-207	BULK SERVICE CHARGE	480	CFT	.95	456.00
500-306	MILEAGE	776.580	TMI	.70	543.61
	INVOICE SUBTOTAL				3,799.51
	DISCOUNT-(BID)				949.87
	INVOICE BID AMOUNT				2,849.64
	*-KANSAS STATE SALES TAX				105.73
	*-HAYS CITY SALES TAX				13.22
	INVOICE TOTAL - PLEASE PAY THIS AMOUNT				\$2,968.59

TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE. UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED, CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM. IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT, CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.

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494648	RUSSELL BRIGHT			COMPANY TRUCK	4583

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SUITE 510
WICHITA, KS 67202

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STATE CORPORATION
CONDENSED STATEMENT
Wichita, Kansas

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Operator Name Landmark Oil Exploration, Inc. Lease Name Broomhaver Well # 1-36

Sec. 36 Twp. 17-S Rge. 29 East West County Lane

WELL LOG

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
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

DST #1 4124-4195, 45-45-45-60. Rec. 150' mw. FP 70-81/93-116#. SIP 1351-1242#.

DST #2 4193-4211, 45-45-45-60. Rec. 455' mw. FP 46-128/151-233#. SIP 1157-1157#.

DST #3 4225-4240, 30-45-45-60. Rec. 1675' gip, 1596' cl gsy oil, 94' ocmw. FP 70-338/385-629#. SIP 1134-1134#.

DST #4 4256-4293, 45-45-45-60. Rec. 30' cl oil, 110' slight ocmw, 10' slight ocmw. FP 46-70/81-105#. SIP 1111-1123#.

DST #5 4306-4322, 30-45-30-60. Rec. 20' vsocmw, 1680' wtr. FP 81-432/490-721#. SIP 1191-1191#.

Name	Top	Bottom
Anhydrite	2163'	(+624)
Heebner	3936'	(-1149)
Lansing "A"	3976'	(-1189)
Stark	4234'	(-1447)
Cherokee	4505'	(-1718)
Mississippi	4564'	(-1777)
L.T.D.	4644'	(-1857)

DST #6 4414-4550, 30-45-45-60. Rec. 280' cl oil, 1395' muddy gassy oil. FP 186-420/443-686#. SIP 1168-1146#.

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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		8 5/8"	20#	264'	.60/40 poz	160	3% CC, .2% gel
production		4 1/2"	10.5#	4643'	EA 2	185	10% salt, 3/4 1% Hallard
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)			Depth
4	4544' - 4547'						
4	4550' - 4553'						
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production		Producing Method		JAN 11 1989			
				FROM CONFIDENTIAL			
Estimated Production Per 24 Hours		Oil	Gas	Water	Gas-Oil Ratio	Gravity	
90		Bbls	MCF	Bbls	CFPB		

RELEASED

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify)
 Used on Lease Dually Completed
 Commingled

DRILLERS LOG

September 1, 1987

BROOMHOWER #1-36
NW SW NE SEC. 36-17S-29W
LANE COUNTY, KANSAS

OPERATOR: Landmark Oil Exploration, Inc.
CONTRACTOR: Warrior Drilling Co.
COMMENCED: 8-19-87
COMPLETED: 8-30-87

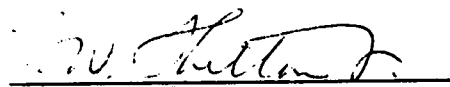
8 5/8" @ 264' w/160 sks 60/40 posmix

0	45	Surface Clay
45	455	Sand & Clay
455	1865	Sand & Shale
1865	2159	Shale
2159	2188	Anhydrite
2188	3240	Shale
3240	4415	Shale & Lime
4415	4640	Lime
4640		RTD

4 1/2" @ 4643' w/20 bbl SW preflush
500 gal Super K, 185 sks of EA 2,
10% salt, 3/4 of 1% Hallard

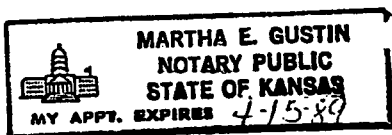
We certify that the above and foregoing is a true and correct copy of the log on the Broomhower #1-36, located in Lane Co., Kansas.

WARRIOR DRILLING CO.

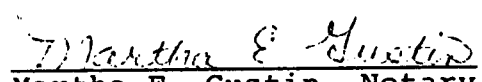

F.W. Shelton, Jr.,
Vice President

pen 0 9

Subscribed and sworn to before me this 1st day of Setpember, 1987



REC'D
STATE OF KANSAS
POV 10 1987
COUNTY OF LANE
STATE OF KANSAS


Martha E. Gustin, Notary

RELEASED
JAN 11 1989
FROM CONFIDENTIAL