

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

API NO. 15- 025-21128 ORIGINAL

County Clark

SW NW NE Sec. 16 Twp. 35S Rge. 21 E
X W

330 Feet from SW (circle one) Line of Section

2310 Feet from SW (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name Tuttle Well # 1-16

Field Name Harper Ranch

Producing Formation Morrow

Elevation: Ground 1889 KB 1902

Total Depth 5950 PBDT 5889

Amount of Surface Pipe Set and Cemented at 643 Feet

Multiple Stage 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 ALT (1-18-76) JK
(Data must be collected from the Reserve Pit)

Chloride content 6000 ppm Fluid volume 140 bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite:
RELEASED

Operator Name: _____

Lease Name JUN 1 4 1995 License No. _____

Quarter 1 Sec. 16 **CONFIDENTIAL** E/W

County _____ Docket No. _____

Operator: License # 6875

Name: Marmik Oil Co.

Address 8500 W. Bowles Ave., # 307

City/State/Zip Littleton, Co. 80123

Purchaser: Cibola Corp. & Koch

Operator Contact Person: Lee B. Shobe

Phone (303) 932-0588

Contractor: Name: Eagle Drlg

License: 5380

Wellsite Geologist: Lee B. Shobe

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SLOW Temp. Abd.

Gas ENHR SIGW

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

If Workover: **CONFIDENTIAL**

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD

Plug Back PBDT

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

3/10/95 3/21/95 4/8/95
Spud Date Date Reached TD Completion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. 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 geologist 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 Lee B. Shobe

Title Geologist Date 5/2/95

Subscribed and sworn to before me this 2 day of May 19 95.

Notary Public May Brunard

Date Commission Expires 8/22/98

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

RECEIVED
STATE CORPORATION COMMISSION

MAY 05 1995

Form ACO-1 (7-91)

CONSERVATION DIVISION

5-5-1995

Operator Name Marmik Oil Co. Lease Name Tuttle Well # 1-16
 Sec. 16 Twp. 35S Rge. 21 County Clark
 East 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 (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Heebner	4437	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Toronto	4467	
List All E.Logs Run:		Lansing	4628	
Neutron/Density		Stark	5146	
Induction		Marmaton	5281	
Microlog		Cherokee	5447	
		1st Morrow Sand	5635	
		Chester	5688	
		Chester Sand	5834	

CASING RECORD <input checked="" 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
Conductor		20"			Grout	8 yds	none
Surface	12 1/2"	8 5/8"	24	652	Class H	275	3% CaCl
Production	7 7/8"	4 1/2"	10.5	5949	Thixad	65	10% Salt

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
Perforate				
Protect Casing				
Plug Back TD				
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	5635 5640	400 gal. Diesel	

TUBING RECORD	Size 2 3/8"	Set At 5880	Packer At none	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. 4/8/95	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls. 35	Gas Mcf 180	Water Bbls. 0	Gas-Oil Ratio 5143
				Gravity 41

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

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

Production Interval _____

Marmik Oil Co.
1-16 Tuttle
T35S-R21W-16 SW/NW/NE
Clark Co., Ks.
API# 15-025-21128

CONFIDENTIAL

ORIGINAL

DST #1 5250-5315, 30-60-60-120
S.B. both opens, rec. 1010 GIP, 120' HG&SOCM, sampler:
672 cc oil, 420 cc water, 1708 cc mud .86 cf gas
HP 2631-2563
IFP 182-210
FFP 81-95
SIP 858-1081
BHT 122 deg.

DST #2 5265-5640, 30-60-60-120
G.T.S. 30" 1ST open
10" 21.9 MCFG
20" 29.4 MCFG
30" 29.4 MCFG
40" 25.8 MCFG
50" 25.8 MCFG
60" 26.6 MCFG
rec. 400' clean gassy oil, 41 deg. grav. @ 60 deg. F,
190' HG&OCM, 60' SO&GCMW, chlorides 18,000-sys. chlorides
17,000
HP 2737-2706
IFP 74-142
FFP 142-212
SIP 1068-1068
BHT 125 deg. F

DST #3 5651-5665, 30-60-30-60
rec. 30' mud
HP 2793-2754
IFP 25-30
FFP 30-30
SIP 44-32
BHT 125 deg. F

DST #4 5670-5694, misrun

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JUN 1 4 1996

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STATE CORPORATION COMMISSION

MAY 05 1995

CONSERVATION DIVISION
HITCHEL, KANSAS

ORIGINAL



The Western Company
of North America

INVOICE NO. 46921	OUR RECEIPT NO. 309075	DATE 08/21/95
55844	1235	YOUR ORDER NO.

REMIT TO: P.O. BOX 911543
DALLAS, TX 75391-1543

HARMIK OIL CO.
8500 W. BOWLES, SUITE 307
LITTLETON CO 80123

CONFIDENTIAL

SERVICES FROM OUR STATION AT WOODWARD CEMENTING	OUR ENGINEER BURCHETT	SIGNED FOR YOU BY MOOREHEAD
FOR SERVICING WELL NAME TUTTLE #1-16	COUNTY CLARK	STATE KS 15

FEDERAL I.D. NO. C 75-0763484

PRODUCT CODE	DESCRIPTION	UNIT OF MEASURE	QUANTITY	LIST PRICE/UNIT	GROSS AMOUNT	PERCENT DISC	NET AMOUNT
J3905	MILEAGE, HEAVY VEHICLES, PER UNIT	MILE	40.0	2.950	118.00	35.00	76.65
J3915	MILEAGE, AUTO/PICK-UP/TREATING VAN	MILE	40.0	1.800	72.00	35.00	46.68
F0135	CEMENT CASINGS, 5501 - 6000 FT	6HRS	1.0	1905.000	1905.00	35.00	1,238.25
M1003	BULK MATERIALS SERVICE CHARGE	CU FT	207.0	1.400	289.80	35.00	188.47
J4015	BULK MATERIAL DELIVERY, DRY	TONMI	372.0	1.000	372.00	35.00	241.68
P432H	PREMIUM CMT, WOODWARD, OK	SACK	165.0	8.450	1394.25	35.00	906.76
P2035	THIXAD	LB	1551.0	.320	496.32	35.00	322.81
P1795	HI-SEAL 2	LB	330.0	.930	306.90	35.00	199.55
H5323	SODIUM CHLORIDE-OKLAHOMA	LB	1000.0	.150	150.00	35.00	97.50
P3095	WMW-1	GAL	420.0	.650	273.00	35.00	177.45
P1425	CF-2	LB	62.0	8.900	551.80	35.00	358.67
P3555	CMT PLUG, RUBBER, TOP 4-1/2"	EACH	1.0	46.300	46.30	35.00	30.10
13150	GUIDE SHOE/LONG BOX 4.5" BRD	EACH	1.0	126.000	126.00	35.00	81.90
17186	FLOAT CL/ALINS/FV 6TC 4.5" BRD	EACH	1.0	205.000	205.00	35.00	133.25
17062	CENTRALIZER W/ PIN 4 1/2"	EACH	8.0	60.500	484.00	35.00	314.60
H2335	CLAY TREAT 20	GAL	5.0	47.850	239.25	35.00	155.51
	SUB TOTAL				7029.62		4,569.26

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JUN 14 1996

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HARMIK OIL CO.
LITTLETON, CO

MAY 05 1995

501 862 9931

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ORIGINAL



The Western Company
of North America

REMIT TO: P.O. BOX 911543,
DALLAS, TX 75391-1543

BY INVOICE NO. 468086	OUR RECEIPT NO. 304500	DATE 03/10/95
55844	1235	YOUR ORDER NO.

MARMIK OIL CO.
8500 W. BOWLES, SUITE 30/
LITTLETON CO 80123

CONFIDENTIAL

SERVICES FROM OUR STATION AT WOODWARD CEMENTING	OUR ENGINEER GRIFFITH	SIGNED FOR YOU BY STEINERT
FOR SERVICING WELL NAME TUTTLE	COUNTY CLARK	STATE KS 15

FEDERAL I.D. NO. C 75-0763484

PRODUCT CODE	DESCRIPTION	UNIT OF MEASURE	QUANTITY	LIST PRICE/UNIT	GROSS AMOUNT	PERCENT DISC	NET AMOUNT
J3905	MILEAGE, HEAVY VEHICLE, PER UNIT	MILE	40.0	2.950	118.00	35.00	76.70
J3915	MILEAGE, AUTO/PICK-UP/TREATING VAN	MILE	40.0	1.800	72.00	35.00	46.80
F0035	CEMENT CASING, 501 - 1000 FT	6HRS	1.0	550.000	550.00	35.00	552.50
M1005	BULK MATERIALS SERVICE CHARGE	CU FT	377.0	1.400	527.80	35.00	343.07
J4015	BULK MATERIAL DELIVERY, DRY	TONMT	660.0	1.000	660.00	35.00	429.00
P432H	PREMIUM CMT, WOODWARD, OK	SACK	150.0	8.450	1267.50	35.00	823.88
P502H	PACSTR LITE II PREM +, WOODWARD, OK	SACK	175.0	9.870	1727.25	35.00	1,122.71
H5023	CALC CHLORIDE-OKLAHOMA	LB	800.0	.400	320.00	35.00	208.00
P1715	CELLO-SEAL	LB	81.0	2.050	166.05	35.00	107.93
P1795	HI-SEAL 2	LB	875.0	.930	813.75	35.00	528.94
P3625	CMT PLUG, RUBBER, TOP 8-5/8"	EACH	1.0	126.000	126.00	35.00	81.90
13156	GUIDE SHOE/LONG BOX 8 5/8" SRD	EACH	1.0	280.000	280.00	35.00	182.00
17068	CENTRALIZER W/ PIN 8 5/8"	EACH	1.0	84.500	84.50	35.00	54.93
17135	STOP COLLARS 8 5/8"	EACH	1.0	26.450	N/C	.00	N/C
17120	CEMENT BASKET, SLIP ON 8 5/8"	EACH	2.0	300.000	600.00	35.00	390.00
17190	FLOAT CL/ALINS/FV AF 8 5/8" SRD	EACH	1.0	385.00	385.00	35.00	250.25
	SUB TOTAL				7997.85		5,198.61

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JUN 14 1996

FROM CONFIDENTIAL

MAY 02 '95 04:08 PM MARMIK OIL 501 862 9931 Page 1

PHONE: (713) 629-2600

TERMS: NET 30 DAYS

PAY THIS AMOUNT

5,198.61