FORM MUST BE TYPED

SIDE ONE

COPY 14-27-10W

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

Operator: License # 31371

Name: Mike McNaul

Address 720 N.Main

Hutchinson

City/State/Zip Kansas 67502

Purchaser: Texaco

Operator Contact Person: Mike McNaul

Phone (316) 662-0455 / 665-5400

Contractor: Name: Emphasis Drilling

License: 8241

Wellsite Geologist: J.M.Hadix

Designate Type of Completion
X New Well ____ Re-Entry ____ Workover

X Oil ____ SWD ____ SIOW ____ Temp. Abd.
____ Gas ____ ENHR ____ SIGW
____ Dry ____ Other (Core, WSW, Expl., Cathodic, etc)

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

Operator:

Well Name:

Comp. Date ____ Old Total Depth ____

____ Deepening ____ Re-perf. ____ Conv. to Inj/SWD
____ Plug Back ____ PBTD
____ Commingled Docket No. ____
____ Dual Completion Docket No. ____
____ Other (SWD or Inj?) Docket No. ____

1-6-94 Spud Date | 1-15-94 Date Reached TD | 1-21-94 Completion Date

API NO. 15- 095-21,687

County Kingman

~~Se~~ ~~Ne~~ ~~Se~~ Sec. 14 Twp. 27s Rge. 10w

1650 Feet from S/N (circle one) Line of Section

330 Feet from E/W (circle one) Line of Section

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

Lease Name ~~Dyche~~ Well # ~~1-A~~

Field Name Dresden

Producing Formations Viola & Mississippian Chert

Elevation: Ground 1741 KB 1746

Total Depth 4350 PBTD

Amount of Surface Pipe Set and Cemented at 328.59 Fe

Multiple Stage Cementing Collar Used? ____ Yes X

If yes, show depth set ____ Fe

If Alternate II completion, cement circulated from ____

feet depth to ____ w/ ____ sx cm

Drilling Fluid Management Plan ALT 1 JH 11-23-94
(Data must be collected from the Reserve Pit)

Chloride content ____ ppm Fluid volume ____ bb

Dewatering method used ____

Location of fluid disposal if hauled offsite:

Operator Name ____

Lease Name ____ License No. ____

____ Quarter Sec. ____ Twp. ____ S Rng. ____ E/W

County ____ Docket No. ____

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CONSERVATION DIVISION
WICHITA, KS

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorad Derby Building, 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 o 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 1 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 compli with and the statements herein are complete and correct to the best of my knowledge.

Signature Mike McNaul

Title Operator Date 3/9/94

Subscribed and sworn to before me this 9TH day of March, 19 94.

Notary Public

Date Commission Expires 9-26-96

BONNIE J. GRAY
Notary Public - State of Kansas
My Appt. Expires 9-26-96

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)

Form ACO-1 (7-91)

SIDE TWO

Operator Name ~~Mike McNaul~~ Lease Name Dyche Well # 1-A

Sec. 14 Twp. 27s Rge. 10w ☐ East ☒ West County Kingman

COPY

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem ts g interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static l hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.)	☒ Yes	☐ No
Samples Sent to Geological Survey	☐ Yes	☒ No
Cores Taken	☐ Yes	☒ No
Electric Log Run (Submit Copy.)	☒ Yes	☐ No

List All E.Logs Run: CORAL has all curves

☐ Log Formation (Top), Depth and Datums ☐ Samp

Name	Top	Datum
Her	1574	+172
Winf	1640	+106
Ind Cave	2369	-623
Top	2965	-1219
Hb	3306	-1560
L-KC	3496	-1750
B/KC	3889	-2143
Miss Chert	4013	-2267
Lime	4060	-2305
Kind	4085	-2339
Viola	4278	-2523

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 Per Additives
Surface		8 5/8"	20#	328.59	60/40 POZ	210	2% gel 3%
~~Production~~		5 1/2"	14#	4349	60/40 POZ	225 ~~200~~	2% g 10% .75% Halide 10 lbs. G

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					

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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
2	4279-82	250/350 gal	
2	4018-24 & 4038-42	1500 gal FRAC 100,000#sa...d	
		x 1800 Bbls X-li...	

TUBING RECORD Size 2 7/8" Set At 4040' Packer At None Liner Run ☐ Yes ☒ No

Date of First, Resumed Production, SWD or Inj. 2-16-94 Producing Method ☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio
	12	30,000	50	

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 Inte 4018'-404' 4279'-428'

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ORIGINAL

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Developers Of Modern, Clean Energy Sources And Uses

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weathering in the upper chert portion and vuggy porosity toward the base, shows of oil and gas were noted thru most of the section DSTed. The CIRC sample carried a 100 unit gas kick. The Viola carried fair to good odor and show of oil.

Shallow Tops:

Her	1574	+172	Stot	2556	-810
Kri	1586	+160	Tark	2636	-890
Winf	1640	+106	How	2810	-1064
Red Eagle	2228	-482	Top	2965	-1219
Onaga Sh	2369	-623	BH Sh	3121	-1375

Deeper Tops:

Heeb	3306	-1560	Cher	4001	-2255
Doug	3351	-1595	Miss Chert	4013	-2267
Br Lm	3487	-1741	Lime	4060	-2305
Lans KC	3496	-1750	Kind Sh	4085	-2339
Stk	3792	-2046	Viola Lm	4269	-2523
B/KC	3889	-2143	Dolo	4278	-2532
RTD	4350	-2604	LTD	4350	-2604

Strap Pipe coming out for DST-1 @ 4051: Board short 2.42'

DST-1 4008-4053 30-60-60-120" Rec: 75' sli oil cut mud
304-84/84-92/92-1106#
HP 1971-1942# 122 F

DST-2 4247-4293 30-60-60-93" Rec: 800' GIP,
300' G&HOCM, 80' G&OCWM, 720' W
1063-146/226-347/517-1058#
HP 2176-2119# 134 F

Based on the shows observed, the DST results, the E-Logs etc, I recommend that pipe be set and the well further tested thru casing. Although the Miss chert DST'ed tight it is felt that a "Preston Style" FRAC would turn this into a good Miss well. The Viola should be given acid prior to working on the Miss.

Respectfully submitted,

J.M.Hadix
Geologic Consultant

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