SIDE ONE

KCC

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

API NO. 15-...185-22,458.....

County.....Stafford

50'S NE SW SW Sec. 32 Twp. 23 Rge. 13 __ East X West

..940'..... Ft North from Southeast Corner of Section
..4290'... Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

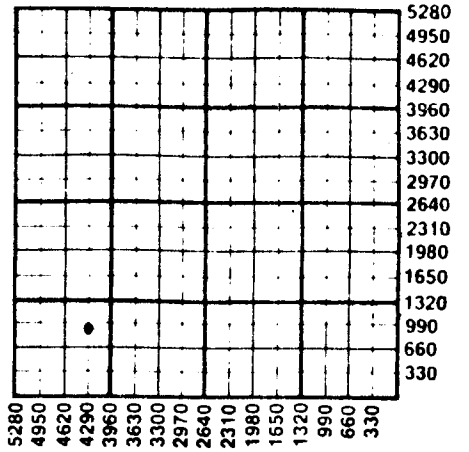
Lease Name..Bradley-Garvin.....Well #..1.....

Field Name.....Merle.....

Producing Formation.....L/KC.....

Elevation: Ground....1911.....KB....1916....

Section Plat



Operator: License # .....03372.....INC.
Name Morrison-Dixon Oil Operations
Address One Main Place - Suite 606
.....
City/State/Zip Wichita, Kansas 67202

Purchaser.....KOCH.....
.....

Operator Contact Person .Micheal W. Dixon.
Phone ....316-264-9632.....

Contractor: License # ....5420.....
Name ..White & Ellis Drilling, Inc.

Wellsite Geologist. Micheal W. Dixon.....
Phone...316-264-9632.....

Designate **Type of Completion**
X New Well __ Re-Entry __ Workover

X 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:
X Mud Rotary __ Air Rotary __ Cable

9-2-87	9-12-87	9-28-87
Spud Date	Date Reached TD	Completion Date

4100'	4051'
Total Depth	PBTD

Amount of Surface Pipe Set and Cemented at 305 feet
Multiple Stage Cementing Collar Used? __ Yes X No
If yes, show depth set.....feet
If alternate 2 completion, cement circulated
from.....feet depth to.....w/.....SX cmt
Cement Company Name ....Allied.....
Invoice # .....48612.....

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 plugged wells. Submit CP-111 form with all temporarily abandoned wells.

SIDE TWO

Operator Name ..Morrison-Dixon Oil Operations, Inc. Lease Name..Bradley-Garvin...Well #...1....

Sec.....32..... Twp.....23..... Rge.....13..... ☐ East ☒ West County...Stafford.....

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

DST #1 3548-3600(30-45-60-45)Rec. 1600' GIP, 165'mud, 60'W&OCM(chl.25,000 PPM) IFP 58-70# FFP 93-116#, ISIP 1089#, FSIP 847#, IHP 1740#, FHP 1717#, Temp. 111°

DST #2 3594-3615(30-45-60-45)Rec. 1550'GIP, 150'SWCMO (35%o, 25%G, 25%M, 15%W), 60' OCW, 630'wtr.(chl.77,000PPM) IFP 93-221#, FFP 280-397#, ISIP 1077#, FSIP 1020#. IHP 1752# FHP 1729#, Temp 115°

DST #3 3659-3675(30-45-30-45)Rec. 300' GIP, 270'G&MCOW(15%O), 910' GSY.W(1%o) chl.48,000PPM, IFP 128-385# FFP 420-525#, ISIP 1020#, FSIP 1009#, IHP 1752#, FHP 1729#

DST #4 3696-3780(30-45-75-45)G.T.S.5 min. 2nd Op. GA 7.12 MCF in 30"-Dec. to 5.60 MCF Rec. 105' OC Gsy.M, 480' Gsy. Mdy. Oil(43%G,32%O, 24% M, 1%W) IFP 140-186# FFP 210-280#,ISIP 986#, FSIP 928#, IHP 1844#, FHP 1821#, Temp 114°

DST #5 3877-3957(30-45-60-45)Rec. 30'MW/few spks. oil, IFP 70-70#, FFP 70-70#, ISIP 128#, FSIP 105#, IHP 1866#, FHP 1844#, Temp 117°

Formation Description
☒ Log ☐ Sample

Name	Top	Bottom
Anhydrite	788	
B/An.	808	+1108
Hb	3377	-1461
Brn. Ls.	3510	-1594
Lansing	3538	-1622
B/KC	3799	-1883
Miss	3870	-1954
Kind Sh	3887	-1971
Viola	3933	-2017
Simp Sh	4003	-2087
Simp Sand	4020	-2104
Arbuckle	4056	-2140
R.T.D.	4100	-2184
L.T.D.	4104	-2188

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	12¼"	8 5/8"	24#	305'	60/40 poz	180	2%gel 3%cc
Production	7 7/8"	4 1/2"	10.5#	4103'	60/40 poz	200	18%salt 3/4-1% CFR-2

PERFORATION RECORD Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2/ft	3775-80	250 gal. MCA & 750gal. 15% NE	3775
2/ft	3737-42	250 gal. MCA	3737
2/ft	3701-3707	250 gal. MCA	3701

TUBING RECORD Size	Set At	Packer at	Liner Run
2 3/8"	3816'	NONE	☐ Yes ☒ No

Date of First Production	Producing Method
10-3-87	☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (explain).....

32-23-13W

Bradley-Garvin #1 (Cont'd)

DST #6 3993-4030 (25-15-15-15), Rec. 5' mud,
IFP 35-35# FFP 35-35# ISIP 35# FSIP 35#
IHP 1918# FHP 1958# Temp 116°

	Oil	Gas	Water	Gas-Oil Ratio	Gravity
Estimated Production Per 24 Hours	20 Bbls	N/A MCF	Bbls	CFPB	

METHOD OF COMPLETION

Production Interval

Disposition of gas:
- [ ] Vented
- [ ] Sold
- [X] Used on Lease

- [ ] Open Hole
- [X] Perforation
- [ ] Other (Specify) .....

3775-80/3737-42

- [ ] Dually Completed
- [X] Commingled

& 3707

KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH

OCT 1 ± 1987

RECEIVED
STATE CORPORATION COMMISSION

OCT 12 1987

CONSERVATION DIVISION
Wichita, Kansas

32-23-13W

WHITE

AND ELLIS DRILLING, Inc.

DRILLERS LOG

OPERATOR: Morrison-Dixon Oil Operations, Inc., Suite 606 - One Main Place, Wichita, KS 67202

CONTRACTOR: White & Ellis Drilling, Inc., 401 E. Douglas, Suite 500, Wichita, Ks. 67202

Lease Name Bradley-Garvin Well No. 1

Sec. 32 T. 23S R. 13W Spot 50' S of NE SW SW

County Stafford State Kansas Elevation

Casing Record:

Surface: 8 5/8" @ 302' with 180 sx. 3% CC 2% Gel

Production: 4 1/2" @ 4103' with 200 sx. 2% Gel

Type Well: Oil Well Total Depth 4104'

Drilling Commenced 9-9-87 Drilling Completed 9-12-87

Formation	From	To	Tops	
Cellar	0	7	Arbuckle	4052
Shale, Lime	7	4104		