

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 # 5652 5313
Name Mustang - F & M
Address P.O. Box 1609
City/State/Zip Great Bend, KS 67530

Gas: Colony Natural Gas Corp.
Oil:

Operator Contact Person James Moxney
Phone 316-792-7323

Contractor: License # 5652
Name Mustang Drilling & Exploration, Inc.

Wellsite Geologist Gary Holstein
Phone 316-788-4570

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

4-15-85 4-30-85 5-22-85
ud Date Date Reached TD Completion Date

5600 5555'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 1609 feet
Multiple Stage Cementing Collar Used? ☐ Yes ☒ No
If yes, show depth set feet
If alternate 2 completion, cement circulated
from 1609 feet depth to surface/.450sx cmt

129-20751
AP: NO. 15

County Morton

Approx. C SE/4 4 31 41 ☐ East
Sec. Twp. Rge. ☒ West

1390
Ft North from Southeast Corner of Section
1390
Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

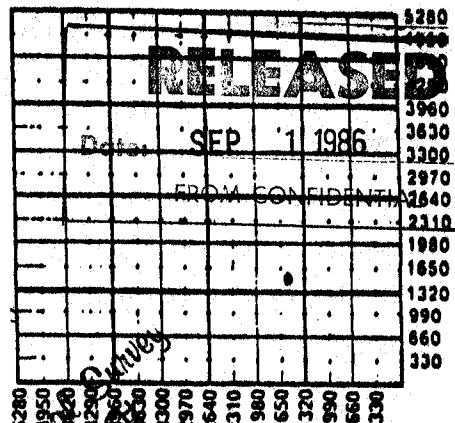
Lease Name Biggs Well #. 3-4

Field Name Beauchamp SW

Producing Formation Keyes and Morrow

Elevation: Ground 3390 KB 3400

Section Plat



STATE CORP
WATER SUPPLY INFORMATION
Disposition of Produced Water: ☒ Disposal
Docket ☐ Repressure 25-1985

Questions on this portion of the ACO-1 form
Water Resources Board (913) 296-3717
Wichita, Kansas

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
Purchased from and hauled

☒ Other (explain) BY DILLCO
(purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 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 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.

requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature [Signature]
Title Exploration Manager Date 5-23-85

Subscribed and sworn to before me this 23rd day of May 1985

Notary Public [Signature] Darlene J. May

Date Commission Expires August 28 1988

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

Operator Name Mustang Drilling & Exploration, Inc. Lease Name Riggs Well # 3-4

Sec 4 Twp 31S Rge 41 East West County Morton

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 [X] Yes [] No
Samples Sent to Geological Survey [X] Yes [] No
Cores Taken [] Yes [X] No

"See Attached for DSTs"

Formation Description
[X] Log [] Sample

Name	Top	Bottom
Heebner	3635'	3637'
Lansing	3762'	4168'
Morrow Shale	4940'	5469'
Upper Morrow Sand	5087'	5109'
Middle Morrow Sand	5301'	5346'
Keyes Sand	5416'	5444'
Mississippi	5470'	5600'
RTD	5600'	
LTD	5598'	

CASING RECORD [X] 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	1609'	lite	450	3% CAC/2%
Production	7-7/8"	5-1/2"	14	5599'	self-stress 320 1/4#/sx flocele	185	

PERFORATION RECORD

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
3 SPF	5420-5428'	None	
2 SPF	5301-5310'	1000 gal - MCA Acid	5301-10'
2 SPF	5339-5346'	1000 gals - MCA Acid	5339-46'

TUBING RECORD	Size 2-7/8"	Set At 5488'	Packer at 5488'	Liner Run [] Yes [X] No
---------------	-------------	--------------	-----------------	--------------------------

Date of First Production	Producing Method [X] Flowing [X] Pumping [] Gas Lift [] Other (explain)
Swab Test	Gas Oil

Estimated Production Per 24 Hours	Oil Keyes 20' Morrow Bbls	Gas 5 MCF 1000 MCF	Water 100 0 Bbls	Gas-Oil Ratio CFPB	Gravity 47
-----------------------------------	---------------------------	--------------------	------------------	--------------------	------------

METHOD OF COMPLETION

Production Interval

Disposition of gas: [] Vented [X] Sold [X] Used on Lease
[] Open Hole [X] Perforation [] Other (Specify)

[X] Dually Completed
[] Commingled

5420-5428
5301-5310
5339-5346

5-10-85: 9th operations: MIRU pulling unit to rig up circulating equipment.

PU bit, casing scraper and 2 DC, RIH on 2-7/8" tubing ~~FROM CONFIDE~~
at 1600. drill out DV tool, finished picking up tubing, RIH to 5555'
Circulate hole clean with 2% KCL water, POH with bit, casing scraper,
lay down, SDFN DC \$2400.

5-11-85 (10th Operations) RU McCullough, ran cement bond log & Correlation
log. Logger PBTD 5553'. Perf. Keyes from 5420-28 with 3 shots
per foot, Perforate Morrow 5301 to 5310 and 5339-5346 with 2 shots
per foot. RD logger, PU Baker Lokset Pkr and Baker on/off tool with
F-profile. RIH on 2-7/8" tbq. Set pkr at 5488', RU and swab tubing
down to packer. Rec. 32 BLW, last swab had oil show at 25% cut. SDFN
DC \$4500, CC \$6900

5-12-85 (11th operations) SITP 60 psi, fl. level at 2800', RU & swab as follows:

TIME	FL. LEVEL	FL. REC.	REMARKS
8:00 9:00 a.m.	4188	24 bbls	10% oil
10:00	4888'	17 bbls	20% oil
11:00	4988	12 Bbls	25% oil
12 noon	4688	17 bbls	25% oil W/slight blow of gas
1:00	4988	6 bbls	25% oil
2:00	5288	9 bbls	25% oil
3:00	4188	14 bbls	35% oil
4:00	5188	12 bbls	35% oil
5:00	5188	11 bbls	25% oil
6:00	5188	8 bbls	25% oil

Rec. 130 bbls fl. SDFN DC \$6,000 CC \$12,900

5-13-85 SDFS

5-14-85 (Monday Operations) SITP 80 psi, Fluid level at 2700', swab down to
packer, rec. 32 bbls 25% oil, RU wire line unit. Insert Baker Plug at
on/off tool. RD wireline unit. Release on/off tool and pull tubing out of
hole. Pick up RTTS packer and BP, ran in hole and set BP at 5375'
and RTTS at 5325'. RU swab down to packer and had show of gas
slight blow of gas. SDFN. DC \$2800, CC \$15,700.

5-15-85 (Tuesday Operations) SIP 1000 psi, blew well down. Rec. 5 BW,
RU HOWCO, acidized lower perf. 5339-5346. Treated w/1000 gal MCA at 8 BPM
at 1600#. Formation started to break down at 1500# after treatment, SIP 0,
went on vac. 56 BLW. RU swab, made 8 runs rec. 50 BLW

Times	MCF	Choke	Remarks
1 p.m.	300	1/2"	water
2 p.m.	400	1/2	heavy mist
3 p.m.	650	1/2	heavy mist
4 p.m.	185	1/2	heavy mist
5 p.m.	1355	1/2	light mist
6 p.m.	1650	1/2	light mist

SDFN. at 6 p.m. TP 900 DC \$3200, CC \$18,900

5-21-85 (20th operations) SITP 1175 psi, SICP 1200 psi, flowed well to pits through tubing as follows: (open well at 7:15 a.m.)

Time	TP	CP	Flow Rate MCF	Remarks
8 a.m.	140	460	no measurement	heavy mist
9:00	100	350	no measurement	heavy mist
10:00	110	345	2666	heavy mist
11:00	110	340	2666	heavy mist
12:00	110	355	2702	heavy mist
1:00	110	335	2702	heavy mist
2:00	110	335	2810	heavy mist
3:00	110	340	2738	heavy mist
4:00	110	310	2774	light mist
5:00	110	325	2738	light mist
6:00	110	310	2774	light mist
7:00	110	310	2774	light mist

SDFN DC \$1,800, CC:\$31,100

-22-85 (21st Operations) SITP 1175, SICP 1200, blew down tubing & flowed well through 2-7/8" by 5-1/2" annulus as follows:

9 a.m.	200	150	no measurement	light mist
10:00	210	110	3388	light mist
11:00	210	110	3352	dry
12:00	210	155	3352	dry

12:30 SI well

RU wireline, RIH & closed sliding sleeve at 5355, RIH & recovered blanking plug from top of packer at 5488'. PU 2-1/2" x 1-1/2" x 12' pump, 2' 3/4" pup, 6 7/8" x 25' rods and 146 3/4" x 25' rods, SDFN, DC \$1800. CC \$32,900

5-23-85 SITP 0, SICP 1200 psi, ran 51 7/8" rods, 2' x 6' 7/8" pup, 14-1/2 polish rods, 8' liner, spaced pump & RD pulling unit. DC \$2500.

5-24-85 Install tank battery

5-25-85 Build tank battery.

5-26-85 SDFD

5-27-85 SDFD

5-28-85 SDFD

5-29-85 (28 operations) lay flow line to well, should be pumping today.

5-30-85 Hook up oil and gaslines, should be pumping today.

5-31-85 Installing engine - should go on production today.

5-16-85 (Wed. Operations) SITP 1200 psi, flowed well to pits, RU HOWCO and pumped 20 bbls 2% KCL water down tubing to kill lower Morrow Perfs. Pumped 84 bbls 2% KCL water down 2-7/8" x 5-1/2" annulus. Released packer and pick up BP, reset BP at 5325 and packer at 5280. Acidized Morrow perfs at 5301-5310 with 1000 MCA acid. Broke down at 1100 psi and inject acid at 8 BPM at 1500 psi. Displaced to perforations with 30.5 bbls 2% KCL water. ISIP vac. 55 BLWTBR. RU to swab at 1 p.m. Fluid 1700', made 5 runs and recovered 30 BLW and well began to flow at 3 p.m. Flowed well to pits as follows:

<u>Time</u>	<u>TP</u>	<u>Rate MCFD</u>	<u>Remarks</u>
4:00 p.m.	50 psi	1600	heavy mist
5:00 p.m.	50	1600	"
6:00	100	1700	"
7:00	100	1800	"
7:45	100	1800	"
SDFN, DC \$3600--\$22,500			

5-17-85 (Thurs. Operations) SITP 1200 psi, flowed well to pits as follows:

<u>Time</u>	<u>TP</u>	<u>Flow Rate MCFD</u>	<u>Remarks</u>
8:00	475	no meas.	flowing w/sludge wtr.
9:00	300	no meas.	heavy mist
10:00	100	no meas.	heavy mist
11:00	125	2377	heavy mist
12:00	125	2464	heavy mist
1:00	110	2883	light mist
2:00	110	2883	light mist
3:00	110	2702	light mist
4:00	110	2883	light mist
5:00	125	2991	no mist
SI at 5 p.m. SDFN DC \$2,100, CC \$24,600			

5-18-85 (Friday Operations) SITP 1200

Blow well down & pump 25 bbls KCL water down tubing to kill well. Release Packer & PO BP, POH w/tubing & LD packer & BP, PU Baker on/off tool and 1 jt. 2-7/8" tubing, packer, sliding sleeve (open position) and RIH, latch on packer lokset packer & landed tubing with 18,000# tension, sliding sleeve at 5355'. RU to swab, swab 103 BLW and SDFN. DC \$4800, CC \$27,300

5-19-85 (Sat. operations) SITP 950 psi, SICP 1200 psi.

Flow well to pit as follows:

<u>Time</u>	<u>TP</u>	<u>CP</u>	<u>Flow Rate MCF</u>	<u>Remarks</u>
8-9:00	50	200	no meas.	flow slug water
9-10:00	50	260	no meas.	flow slug water
11:00	75	260	1596	heavy mist
12:00	90	250	1639	"
1:00	90	250	1813	"
2:00	100	265	1878	"
3:00	100	275	1922	"
4:00	100	265	1922	"
5:00	100	275	1922	"
6:00	100	310	2247	"
7:00	115	310	2421	"

SDFN DC \$2,000, CC: \$29,300

5-20-85 SDFS