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

Form ACO-1
September 1999
Form Must Be Typed

ORIGINAL

Operator: License # 32047
Name: MICA Energy Corp.
Address: 3545 NW 58th St, Ste 810
City/State/Zip: Oklahoma City, OK 73112
Purchaser: NCRA
Operator Contact Person: Michael E. Carr
Phone: (405) 942-4552
Contractor: Name: Murfin Drilling Co., Inc.
License: 30606
Wellsite Geologist: James C. Musgrove
Designate Type of Completion:
[ ] 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:
Original Comp. Date: Original Total Depth:
[ ] Deepening [ ] Re-perf. [ ] Conv. to Enhr./SWD
[ ] Plug Back [ ] Plug Back Total Depth
[ ] Commingled [ ] Docket No.
[ ] Dual Completion [ ] Docket No.
[ ] Other (SWD or Enhr.?) [ ] Docket No.
11-06-2001 11-11-2001 12-11-2001
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 065-22822-00-00
County: Graham
C NW/SW/NW Sec. 24 Twp. 9 S. R. 24 [X] East [ ] West
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:
(circle one) NE SE (NW) SW
Lease Name: College Well #: 2
Field Name: SE Glendale LKC
Producing Formation: Kansas City
Elevation: Ground: 2449 Kelly Bushing: 2454'
Total Depth: 4040' Plug Back Total Depth: 3993'
Amount of Surface Pipe Set and Cemented at 208 Feet
Multiple Stage Cementing Collar Used? [X] Yes [ ] No
If yes, show depth set 2128 Feet
If Alternate II completion, cement circulated from 2128
feet depth to surface w/ 375 sx cmt.

Drilling Fluid Management Plan [Signature] KGR 12/18/07
(Data must be collected from the Reserve Pit)
Chloride content ppm Fluid volume bbls
Dewatering method used
Location of fluid disposal if hauled offsite:
Operator Name:
Lease Name: License No.:
Quarter Sec. Twp. S. R. [ ] East [ ] West
County: Docket No.:

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 of 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: [Signature]
Title: President Date: 12/18/01
Subscribed and sworn to before me this 18 day of December
2001.
Notary Public: Linda K. Deng
Date Commission Expires: October 2, 2005

KCC Office Use ONLY
[ ] Letter of Confidentiality Attached
If Denied, Yes [ ] Date:
[ ] Wireline Log Received
[ ] Geologist Report Received
[ ] UIC Distribution



X

**ORIGINAL**

Operator Name: MICA Energy Corp. Lease Name: College Well #: 2  
 Sec. 24 Twp. 9 S. R. 24  East  West County: Graham

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken  Yes  No  
 (Attach Additional Sheets) *See Geology Report*  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No  
 (Submit Copy)

Log Formation (Top), Depth and Datum  Sample  
 Name Top Datum  
 See Geology Report

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List All E. Logs Run:  
 Radiation-Guard and Microlog

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	12 1/4"	8 5/8"	23 used	208	common	150	2%gel - 3%C.C.
Production	7 7/8"	5 1/2"	14 new	4037	ASC	125	10%salt-2%gel

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	3941-46*	* 300 gals. 15% MCA	
4	3918-21*	* 2000 gals 15% SGA	
4	3826-32**	** 1000 gals. 15%MCA	
4	3817-21**	** 3000 gals. 15% SGA	

TUBING RECORD	Size Set At Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2 3/8"	3970	

Date of First, Resumed Production, SWD or Enhr. 12-11-2001	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil Bbls. 52	Gas Mcf TSTM	Water Bbls. 10	Gas-Oil Ratio --	Gravity 34
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Disposition of Gas **METHOD OF COMPLETION** Production Interval  
 Vented  Solid  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled  
 (If vented, Sumit ACO-18.)  Other (Specify) \_\_\_\_\_

**JAMES C. MUSGROVE**

Petroleum Geologist  
 P.O. Box 1162  
 Great Bend, KS 67530

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Office (316) 792-7716

Res. Claflin (316) 587-3444

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Mica Energy Corporation  
 College #2  
 NW-SE-NW; Section 24-9s-24w  
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**5 1/2" Production Casing Set**

**Contractor:** Murfin Drilling Company (Rig #8)  
**Commenced:** November 5, 2001  
**Completed:** November 11, 2001  
**Elevation:** 2454' K.B.; 2452' D.F.; 2449' G.L.  
**Casing Program:** Surface; 8 5/8" @ 208'  
 Production; 5 1/2" @ 4033'  
**Samples:** Samples saved and examined 3300' to the Rotary Total Depth.  
**Drilling Time:** One (1) foot drilling time recorded and kept 3300' to the Rotary Total Depth.  
**Measurements:** All depths measured from the Kelly Bushing.  
**Drill Stem Testing:** By Trilobite Testing, Inc.  
**Electric Log:** By Eli Logging; Radiation Guard Log and Microresistivity.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	2088	+366
Base Anhydrite	2123	+331
Topeka	3533	-1079
Heebner	3748	-1295
Toronto	3773	-1319
Lansing	3786	-1332
'B'	3816	-1362
'C'	3825	-1371
'D'	3840	-1386
'E'	3859	-1405
'F'	3866	-1405
'H'	3917	-1463
'I'	3940	-1486
'J'	3961	-1507
'K'	3981	-1527
Base Kansas City	4014	-1560
Rotary Total Depth	4037	-1583
Log Total Depth	4033	-1579

(All tops and zones are corrected to Electric Log measurements.)

**SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.****TOPEKA SECTION**

3545-3552' Limestone; highly fossiliferous, cherty in part, no shows.

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3564-3572' Limestone; gray, fossiliferous, sparry calcite cement, poor visible porosity, trace chert, gray fossiliferous, boney, no shows.

3585-3600' Limestone; white to tan, finely crystalline, granular and fossiliferous, chalky, plus white chalk, no shows.

3606-3630' Limestone; gray to white, fossiliferous, chalky, plus white chalk and gray to white, fossiliferous, boney, chert, no shows.

3654-3670' Limestone; gray to white, fossiliferous/oolitic, chalky, no shows.

3694-3705' Limestone; gray and tan, finely oolitic, oocastic, fair to good oocastic porosity, no shows.

3714-3736' Limestone; buff and tan to gray, highly fossiliferous, chalky in part, plus cherty, gray to smoky gray, fossiliferous, opaque, no shows.

TORONTO SECTION

3774-3782' Limestone; white and gray, fossiliferous, slightly chalky, plus chert, amber to tan, fossiliferous, opaque.

LANSING SECTION

'A' Zone  
 3786-3798' Limestone; gray to tan, oolitic, sub-oocastic, scattered sub oocastic porosity, chalky in part, plus limestone white, oolitic and trace gray chert.

'B' Zone  
 3817-3821' Limestone; gray, finely crystalline, fossiliferous, slightly chalky, scattered intercrystalline to vuggy type porosity, brown to golden brown stain, trace of free oil and faint order in fresh samples.

'C' Zone  
 3825-3833' Limestone; tan and gray, highly fossiliferous oocastic, fair to good oocastic porosity, brown to black stain, fair show of free oil and faint order in fresh samples, spotty bright fluorescence.

Drill Stem Test #1 3805-3840'

Times: 30-60-30-90

Blow: Initial flow, weak (2 inches)  
 Final flow, weak (3/4 inches)

Recovery: 2' clean oil  
 65' mud cut oil  
 (70% oil, 30% mud)  
 60' oil cut mud  
 (30% oil, 70% mud)

Pressures: ISIP 332 psi  
 FSIP 332 psi  
 IFP 17.57 psi  
 FFP 59.76 psi  
 HSH 1860-1792 psi

'E' Zone  
 3860-3863' Limestone; white, slightly fossiliferous, spotty stain, chalky, no show of free oil or odor, plus white to gray chert, spotty fluorescence.

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'F' Zone  
 3866-3871'

Limestone; gray to white, highly fossiliferous, (oolitic) chalky in part, brown to golden brown stain, trace free oil and questionable odor in fresh samples, pale yellow fluorescence and cut.

Drill Stem Test #2 3852-3887'

Times: 30-60-30-90

Blow: Initial - Weak to good  
 Final - Weak to fair

Recovery: 420' muddy water

Pressures: ISIP 223 psi  
 FSIP 224 psi  
 IFP 29-169 psi  
 FFP 170-203 psi  
 HSH 1906-1864 psi

'H' Zone  
 3918-3926'

Limestone; tan to brown, finely crystalline, slightly sucrosic, fair pin point and intercrystalline porosity, spotty golden brown stain and saturation, show of free oil and fair odor in fresh samples. Plus limestone, white, fossiliferous, chalky in part, black edge staining, and black stain on fracture planes

'I' Zone  
 3941-3946'

Limestone; gray to white, finely oolitic, poor visible porosity, dark brown to brown stain, trace free oil and questionable odor in fresh samples, pale yellow fluorescence and slow cut.

Drill Stem Test #3 3902-3957'

Times: 30-60-30-90

Blow: Initial weak 1/2 inch  
 Final - surface blow

Recovery: 15' oil cut mud  
 (10% oil, 90% mud)

Pressures: ISIP 218 psi  
 FSIP 251 psi  
 IFP 19-32 psi  
 FFP 32-42 psi  
 HSH 1980-1879 psi

'J' Zone  
 3962-3966'

Limestone; white, fossiliferous, finely crystalline, few fossiliferous, chalky, trace poor spotty stain, one (1) piece trace of free oil and no odor in fresh samples.

'K' Zone  
 3981-3987'

Limestone; white, fossiliferous, scattered dark brown to brown stain, poor visible porosity, trace free and no odor, plus trace limestone, gray, medium crystalline, scattered intercrystalline type porosity, fair stain and saturation, show of free oil.

'L' Zone  
 4000-4005'

Limestone; tan to gray, fossiliferous, few finely crystalline.

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Base Kansas City 4014 (-1560)  
Rotary Total Depth 4037 (-1583)  
Log Total Depth 4033 (-1579)

**Recommendations:**

On the basis of the favorable Drill Stem Test #2 and the positive Log Analysis, it was recommended by all parties involved to set and cement 5 1/2" production casing at approximately 4033 ft and the following zones be tested through perforations:

- 1. Lansing 3982-3988 perforate
- 2. Lansing 3941-3946 perforate
- 3. Lansing 3918-3922 perforate
- 4. Lansing 3826-3831 perforate
- 5. Lansing 3817-3820 perforate

Respectfully submitted;

*James C. Musgrove*  
 James C. Musgrove  
 Petroleum Geologist

