



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1076914
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., 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 Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(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 #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that 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.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1076914

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Oolite Energy Corp
Well Name	Fox 1-19
Doc ID	1076914

All Electric Logs Run

Dual Spaced Neutron Spectral Density Log
Array Compensated True Resistivity Log
Bore Hole Compensated Sonic Array Log
Micro Log
Cement Bond Log

Form	ACO1 - Well Completion
Operator	Oolite Energy Corp
Well Name	Fox 1-19
Doc ID	1076914

Tops

Name	Top	Datum
Base Heebner	4480	
Toronto	4492	
Lansing	4632	
Marmaton	5271	
Cherokee	5460	
Morrow	5776	
Chester	5846	
St. Genevieve	6162	
St. Louis	6231	
TD	6446	

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

March 27, 2012

David E. Rice
Oolite Energy Corp
PO BOX 9398
AMARILLO, TX 79105

Re: ACO1
API 15-119-21312-00-00
Fox 1-19
SW/4 Sec.19-33S-29W
Meade County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
David E. Rice

COMPANY **OOLITE ENERGY CORPORATION**
 LEASE **FOX** NO **L-19**
 LOCATION **3351FSL & 14851FWL**
 SEC **19** TWP **33S** RNG **9W**
 COUNTY **MEADE**, STATE **KANSAS**
 FIELD **E. NOVINGEP**

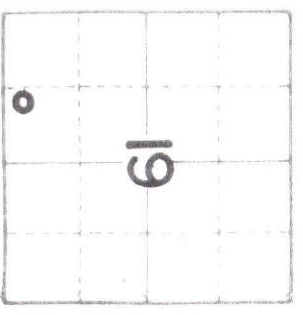
ELEVATIONS
 KB **2692**
 DF **2690**
 GL **2681**
 MEASUREMENTS ARE
 ALL FROM **KB**

CONTRACTOR **H2 DRLG. RIG NO.2**
 COMM. **1-24-2012** COMP. **2-10-2012**
 RTD **6450** LTD **6446**
 No. of DST'S **NONE** No of CORES **NONE**

CASING RECORD
 8.625" **1660** W/ / SX
 DT / W/ / SX
 DT / W/ / SX
 DT / W/ / SX
 EL. LOG **AC.RES-SP-GR**
DEN-NEUT-GR-CALIPER
ML-SONIC-XRMI

SAMPLES SAVED FROM **4200** TO **TD**
 DRILLING TIME KEPT FROM **4200** TO **TD**
 SAMPLES EXAMINED FROM **4200** TO **TD**
 GEOLOGICAL SUPERVISION FROM **4200** TO **TD**
 GEOLOGIST ON WELL **EDWIN H. GRIEVES**

FORMATION TOPS	SAMPLE	LOG	SUBSEA
BASE HEEBENEN	4482	4480	-1798
TORONTO	4493	4491	-1820
LANSING	4632	4632	-1940
MARMATON	5275	5271	-2579
CHEROKEE	5461	5460	-2768
MORROW	5784	5776	-3024
CHESTER	5846	5846	-3154
ST. GENEVIEVE	6169	6162	-3470
ST. LOUIS	6232	6231	-3539
TD	6450	6446	



REMARKS *Earth-Tech 1-888-543-8378 had an unmanned gas detection trailer on this well from 4200 feet to total depth*

*Thank you,
 H. Grievess*

DRILL TIME SCALE
 5 10 15

SAMPLE DESCRIPTION

GAS SCALE

10 100 1000

4200

Interbedded Shales + Limestones
 (1) Sh med to tes. drk. gray; very
 to extraly. calc grading. to v. Shly. Lms.
 (2) Lms. lt. to med. gray sli to v. Shly,
 grading to tanish gray. to grayish. tan
 and tes. tan; crypto. to v. v. tan. xlm;
 sub-chlkt / or shly; sub-sucro +
 paclestn. j. dwl. lt. to tes. lt. yel. fluor
 No cut; No Vis for

4300

Lms. lt. gray w/ tes. grayish tan;
 crypto. to tes. v. v. tan. xlm; subchlkt.
 Tes. sub-sucro + paclestn. j.
 abu. sli. to extraly. silty grading to
 siltstn. j. micro-micaceous IP's;
 dwl. yel. to sli. tes. yel. fluor. j.
 No cut; No Vis for.

4 5 3 2 1

WOB 40000
 RPM 72
 SPM 60
 PP 600

Sh. med. to tes. drk + sli tes very
 drk gray; calc IP's w/ prob interbeds
 Lms + Silty Lms. similar 4303-4361

C 4 5 3 2 1

Sh v. drk. gray to black - carb

BLK. SH. 53U

4400

Sh. med to v. drk. gray. + tes black

Lms. H. gray, tanish IP's to tan grayish tan crypto
to v.v. fu. xln.; tas. sub-chlk, sub-sucro +
pachstn; dul. lt. to tan. lt. yel. fluor.; No cut
No vis por; w/prob interbeds sh as above
sh. med. to v. dk gray - calc to blk - carb.

Base Heabne
4482-1790
BLK. SH. 88U

Lms. similar 4443-4457

Sh. v. dk gray to black - carb
4482-84 Lms. H. gray. to tan; crypto. to
v.v. fu. xln.; sub-sucro to pachstn; dul
lt. yel. fluor.; No cut; No vis por
sh H. gray, lt. green to olive green
tas w/finely disseminated pyrite
Lms. tes. CRM. chlk + crmt to H. tan; crypto
to v.v. fu. xln.; sub-chlk, sub-sucro
+ pachstn; dul. lt. to tan H. yel. fluor.;
No cut; No vis por.

C 4 5 3 2 1
BLK SH.
110 U

Toronto
4493-180

Lms. lt. gray, CRMish + tanish IP's
w/abu. crmt to H. tan; crypto. to
v.v. fu. xln.; tas. sub-chlk, sub-sucro
to sucro. + pachstn; tas. phantom
oolitic; dul. lt. to H. yel. fluor.; No cut;
w/scattered tes. v. pr. pp to tes.
v. poor micro-pp. por.

4541-4586 Interbedded Lms + Shs.

- ① Lms. similar 4519-4541 w/tes to
huy tes. wht. to CRM. - chlk
- ② Lms. H. to med. gray; sh. to finely shly.
IP's; crypto to tes. v.v. xln.; sub-chlk
tas. sub-sucro + pachstn; dul. lt. yel.
fluor IP's; No cut; No vis por
- ③ Sh. lt. to med. gray; sh. to v. calc.

Lms. tan, grayish. tan to tanish tan crypto
to v.v. fu. xln.; sub-sucro + pachstn;
dul. yel. dul. lt. yel. to tes. lt. yel. fluor. 4600
No cut; No vis por

Sh. med. gray. w/tes. dk. to v. dk gray;
abu. sh. to extely. silty IP's;
micro-micaeous + or v. to extely
Calc. IP's

Lansing
4632-1940

Lms. H. gray to tan mottled IP's; crypto to
v.v. fu. xln.; sub-chlk, sub-sucro + pachstn;
tas. phantom oolitic; dul. lt. yel. fluor.
No cut; No vis por
Lms. tan; crypto. to v.v. fu. xln. v. to
extely. oolitic; or v. to extely oolitic
matrix sub-sucro to sucro and
pachstn; dul. lt. to H. yel. fluor.;
No cut; abu. pr. to tes. or v.

4652-90 Lms. tan, grayish. IP's totas
lt. gray; crypto. to v.v. fn. xln.;
sub-chlk, sub-sucro & packstn.;
phantom oolitic; dul. lt. totas lt. to
brt. lt. yel. fluor.; No Cut; No Vis Por.

Interbedded limestones and scattered
thin shales

① Faster Dalg. Lms. trs. wht, crm
+ tan, grayish IP's; crypto. to v.v. fn.
xln.; sub-chlk, sub-sucro & packstn.
phantom oolitic IP's; dul. lt. totas
lt to brt lt. yel. fluor.; No Cut
No Vis Por.

② Slower Dalg. Lms lt. gray. to tan
crypto. to v.v. fn. xln.; sub-chlk,
sub-sucro & packstn.; No Cut;
No Vis Por.

③ scattered thin sh. med to
drk. gray.; sh to v. calc. IP's

Interbedded Lms + scattered thin sh
similar 4690-4758 w/
Faster Dalg becoming very to
extaly oolitic w/matrix
sub-sucro to sucro. dul. lt. to
tes lt to brt. lt. yel. fluor.; No Cut
w/hytes. pr. totas fr. micro pp por.
IP's

Lms. tan, grayish. IP's; crypto. to v.v. fn. xln.
Sl. trs sub-chlk, sub-sucro and
packstn. phantom oolitic IP's to
oolitic IP's; dul. yel. fluor.; No Cut
No Vis Por

Lms. similar 4802-4823 w/trs
wht. to crm. - chlk + incr to abn. sub-chlk

Lms. lt. gray to tan; crypto to v.v. fn. xln.
sub-chlk, sub-sucro & packstn.; abn
phantom oolitic; dul. yel. fluor
No Cut; No Vis Por

Sh med to v. drk. gray + blk carb; all v. calc

4873-4888 Lms. similar 4831-4864

4888-99 Lms. tan; crypto to v.v. fn. xln.
sl to extaly oolitic &/or sl to
v. oolitic; matrix sub-sucro to

453 2 1

4700

4800

TRAP BOX LEFT OPEN

4900

RPM 68-70
SPM 60
EP 900

Lms. tan, tns. grayish to tns. lt. gray
crypto. to v.v. fn. xln; sub-chlk,
sub-sucro + packstr. and tns.
sub-lithogr.; scattered tns
phantom oolitic; scattered tns.
foss.; dul. yel. to dul. lt. yel. fluor.
IP's; No Cut; No Vis Por.

Sh. v. drk. gray. to blk-carb.; all faly carb

BLK SH. 30 U

5000

Lms. lt. gray., tanish IP's to tns tan;
crypto to v.v. fn. xln; sub-chlk,
sub-sucro., packstr + sub. lithogr.;
scattered tns. phantom oolitic
+ scattered tns. foss.; dul. yel.,
dul lt. yel. to tns. lt. yel. fluor.;
No Cut; No Vis Por.

Lms. lt. to med. g R; faly to extaly
sh.; crypto xln; sub-chlk + xln shly;
+ packstr.; No Flow; No Cut
No Vis Por.

5100

Sh. v. drk. gray. to black-carb

C4 C3 C2 C1 BLK SH 489 U

Interbedded Limestones

- ① Lms. similar 5094-5105
- ② Lms. grayish. tan to tan; crypto

Lms. similar 6232-6291 becoming
more sub-chalky IP's

Lms. tan. wht. to cream-chalk + Htan
to tan; crypto. to v.v. fn. xln.;
extaly oolitic (med, lg + tassun)
matrix sub-chalk, sub-sucro
+ fts packst; dub. yel. fluor.
No cut; abn. PR. p.p + micropp
porosity

6400

Lms lt. gray to tan; crypto to
v.v. fn. xln.; sub-sucro + packst;
w/tas sub-lithogr; dub. yel.
fluor.; No cut; No Vis for R.
w/sli tas. gray to tan, opaque chert

TD 6450

7 7/8 inch Bit Info:

1. New Varel HE 21 Tricone Button
in 1661 out 5490
2. New Varel HE 29 Tricone Button
in 5490 out 6450

Cir Points:

- | | |
|--------|-----------|
| 1 5480 | 3 5820 |
| 2 5780 | 4 6450 TD |

Dev. Surv

- | | |
|---------|------|
| 1. 1019 | 3/40 |
| 2. 1661 | 1/20 |
| 3. 2751 | 3/40 |
| 4. 4450 | 10 |
| 5. 5490 | 3/40 |
| 6. 6450 | TD |

No DST's were run

Daily Drilg Progress:

- | | | |
|---------|------------|--------|
| 1. 4200 | At 3:15 AM | 2-1-12 |
| 2. 4272 | At 7:00 AM | 2-1-12 |
| 3. 4819 | At 7:00 AM | 2-2-12 |
| 4. 5191 | At 7:00 AM | 2-3-12 |
| 5. 5490 | At 7:00 AM | 2-4-12 |
| 6. 5643 | At 7:00 AM | 2-5-12 |
| 7. 5948 | At 7:00 AM | 2-6-12 |
| 8. 6199 | At 7:00 AM | 2-7-12 |

tas. dul. yel. + fluor.; No cut; No vis for
No Apparent Show

C 453 (2) SHOW 42 U

Variegated Sh + Lmsts Conglz matrix
similar 6052-6088 w/ hvy tas
Lms gray to tan; crypto to v. v. xln
Qtz Sdy - v. v. f. gr. - aug.; sub-chlk
sub-sucro + packstr; dul. yel. fluor.
No cut; No vis for

Lms. tan to tanish gray; crypto
to v. v. f. xln; extaly micro-oolitic
w/abu. Qtz gas. - v. v. f. gr. - aug.;
matrix tas sub-chlk, sub-sucro +
packstr. dul. to v. dul. H. yel. fluor.
No cut; No vis for.; Poss Reword

St. Genevieve
6169-3477

321

Lms. H. gray, tanish gray to grayish tan
crypto. to v. v. f. xln; very to
extaly micro-oolitic and
slitely Qtz Sdy - v. v. f. gr. - aug.
matrix tas sub-chlk, sub-sucro.
+ packstr; v. dul. H. yel. fluor. IP's
No cut; No vis for

6200

St. Louis
6232-3540

Lms. tan, grayish. IP's; crypto. to
v. v. f. xln; fely to very oolitic
(sm, med + tas lg) matrix
tas sub-chlk, sub-sucro + packstr
dul. yel. fluor.; No cut; No vis for

Lms. tan, sl. tas. grayish; crypto
to v. v. f. xln; extaly oolitic (med, lg +
tas sm), matrix abu chlk, sucro +
packstr; dul. yel. fluor.; No cut
NO VIS FOR

C 321

6300

Lms. similar 6232-6291

Lms similar 6291-6303

F5820-33 Prob Qtz Sdst. lt. gray, tanish to
 v. f. to u. f. g. j. ang. j. pr. f. e. + tas
 H gd sort; scattered tas glauco
 chlorite; No fluor; No cut; extaly
 sm. clusters w/ abn p. to be and
 tas. gd. to sh. tas. small micro. pp. to
 intergr. por., very friable
 exte. abn. loose Qtz gas - v. u. fu to
 v. fu., clez to sh. frosted w/ abn
 Sh med to dk gray. in samples

65833-46 Sh med. to dk gray w/
 exte. abn. of Qtz Sdst similar
 5820-5833

J H5846-96 Fragmental Lms. tan
 chlk. + tan, grayish. IP's; v. fu to
 coars grs (composed of Lms +
 foss fragm. w/ scattered tas oolites)
 Crypto. to v. u. fu. xln. matrix
 tas chlk, tas. sub-chlk, sub-succo
 + p. chstn; dul. yel. fluor. (fluor
 w/ abn (poss 20%) w/ lt. greenish
 yel. fluor. w/ fat. gd. staining to
 X faint to pr. Ring out; No Vis for
 w/ scattered interbedded sh.
 med. gray, w/ earthy, matt texture

J5896-5930 Fragn. Lms similar
 5846-5896 becoming more
 oolitic IP's; tan + gray oolites
 and only 10% have H. grayish
 yel. fluor w/ cut; No Vis for

K5930-5963 Sh. med. gray, earthy
 matt texture
 5963-94 Lms. H. gray. to tan; crypto. to xln.
 xln; sub-chlk, sub-succo, p. chstn + tas
 sub-lithogr.; tas. v. u. dul. yel. fluor; No cut
 No Vis for w/ exte. abn. Sh. similar
 5930-5963 prob cavings

5994-6007 Lms. similar 5963-5994
 w/ abn Sh poss in place IP.

Lms. med. gray - v. to extaly. Shly.
 gr. dng. to highly calc. Shs; earthy
 matt texture; crypto. xln.
 sub-chlk or shly. + p. chstn;
 No fluor; No cut; No Vis for

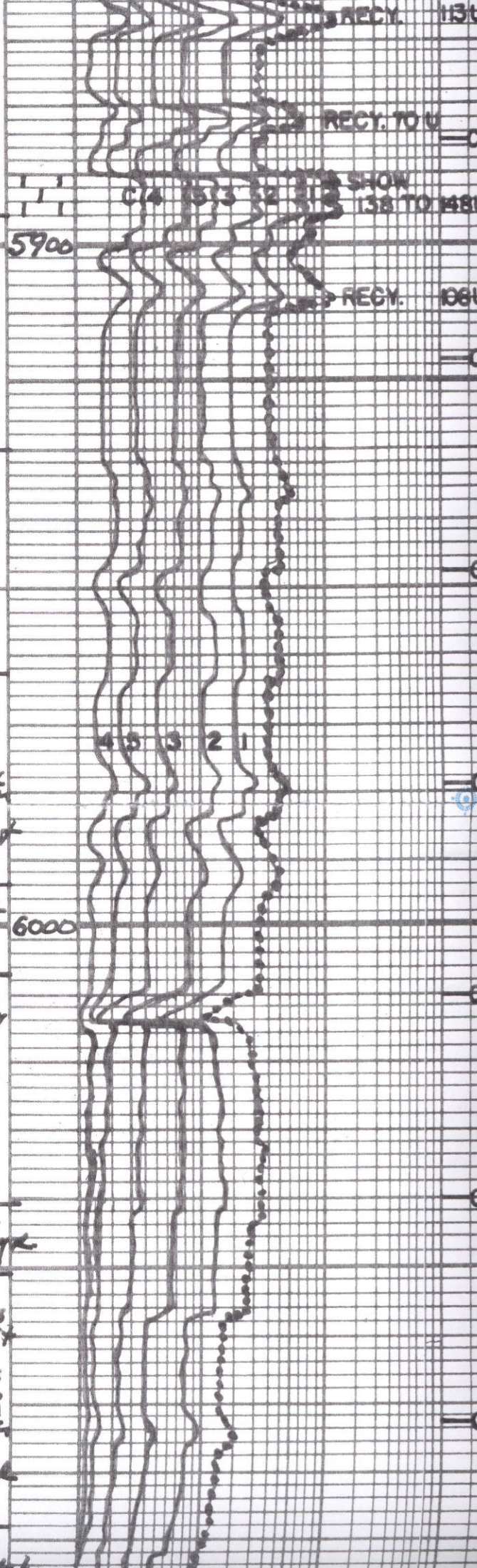
Lms. grayish. tan to tan; crypto.
 fo. tas. v. u. fu. xln; tas. sub-chlk, tas
 sub-succo + p. chstn, w/ tas. sub-lithogr.
 dul. yel. fluor. No cut; No Vis for

Verigated Sh + Lms. Conglomerate

① Predominately Verigated Shs. gray
 grns, whts, pinks, reds; extaly soet
 + mushy

② Lms. grays, tans, greenish IP's w/ tas
 green + reds; crypto. to v. u. fu. xln;
 chlk, sub-chlk, sub-succo, p. chstn
 + tas. sub-lithogr.; scattered. tas.
 v. dul. H. yel. fluor; No cut; No Vis for

Verigated Sh + Lms. Conglomerate



sub-chalk +/or Shly, trs. sub-sucro
+ pachestu; No fluor, No cut
NO Vis. POR.

A Lms. H. gray. to tan, crypta. to
v.u. fu. xlu.; trs. sub-chalk, sub-sucro
pachestu. + trs. sub-lithogr.
No fluor, No cut, NO Vis POR

40 U

853 2 1

54 U

5700

92 U

65 U

120 U

A 5784-5790 Sh. v. dk gray to black
carb.

B 5790-5797 Lms. lt. to med. gray -
sli to fine. Shly; crypta to
v.u. fu. xlu.; trs. sub-sucro,
pachestu. + trs. sub-lithogr.
No fluor, No cut, NO Vis POR

110 U

Morrow Fin
5784-3092

C 5797-5802 Sh. med. to dk.
gray, v. sdy. IP's w/abn. Qtz. Sdst
lt. gray, v.u. fu. to v. fng. ang.
Prly sorted, clay + silt filled.
sli + trs. glauc. +/or Chlorite IP's
No fluor, No cut, NO Vis POR

150 U

A 5802-5810 Qtz Sdst. gray to tan
can + tan, greenish IP's, uufu

134 U

BLK SH
128 U

B to v. fng. ang., pr to tan, gd sdst
C sli + trs. glauc +/or Chlorite

5800

D clay + silt filled IP's; No fluor
No cut, hu. trs. pr. to fine and
trs. gd. to sli trs excel p.p.

SHOW 157 U

E mixed po to intergr. por
F 5810-5820 sdst From 100% Qtz
Qrs to 100% Lngs.

SHOW
60 TO 77 U

F 100% w/Qtz qrs H. gray to tan med
gray, v.u. fu. to v. fng. ang.
poorly sorted, sh. filled, clay
+ silt filled IP's; No fluor, No cut
No Vis POR, grading to 100% w/Lngs
gray to tan, v.u. fu. to med. grs.
(composed of Lngs + fng. ang.
matrix chalk, sub-chalk, sub-sucro)

Chester Fin
5846-3154

Sh v. drk. gray. to black-carb

77U
Pounce
5387-2695

Lms. grayish tan to tan; crypto to v.u. fu. xln.; trs. sub-chlk, sub-succ. & p. destn.; dul. H. to H. yel. fluor.; No cut; No vis for

5400
LOW VOL. AT AGITATOR ???

Sh v. drk. gray. to black-carb

Lms. H. gray, tanish gray to grayish tan; crypto to v.u. fu. xln.; trs sub-chlk, sub-succ. & p. destn.; dul. H. yel. fluor. No cut; No vis for.

45 3 2 1 FT Scott
5438-2746
BLK. SH. 180U
REG 18
DOWNTIME
GAS 106U

Sh v. drk. gray. to black-carb.

Lms. similar 5438-5457
Interbedded Limestones + Shales
① Lms. H. med to drk. gray. f. ly to extaly. Shly grading to calc. Sh IP%; crypto to trs. v.u. fu. xln.; sub-chlk + on shly, trs. sub-succ. & p. destn.; No fluor. No cut; No vis for
② Lms. H. gray to tan; crypto to v.u. fu. xln.; trs sub-chlk, sub-succ. & p. destn.; dul yel to dul yel. fluor.; No cut; No vis for
③ Sh med to drk. gray. to extaly calc

BLK SH. 175
Cherokee
5461-2769
45 3 2 1
TRIP BIT 5490
TRIP GAS 69 U CFS

Sh v. drk. gray. to black-carb

Interbedded Limestones grading to or interbedded with Shales similar 5476-5505

BLK. SH. 53U
45 3 2 1
32U ??
TRAP BOX LEFT OPEN

5587-5784

Interbedded Limestones and Shales
① Shs med. to v. drk. gray; slt to extaly. calc.
② Shs v. drk. gray. to black-carb.

BLK. SH. 47U
5600
BLK. SH. 44U

No Vis. Por.

Sh. black-camb
Interbedded Limestones

① Lms similar to description #2 (5115-54)
② Lms. hvy. tas. wht. to tan. - chlk + lt tan to tan;
grayish IP's; crypto to v.v. fu. xlv. u. tas med
to coarse, wht. cal. xls & frags.
sh. to v. oolitic for sh. to v. oolitic
matrix sub-chlk, sub-succo + packstn
dul. yel. fluox, No cut; a bu. p. a. tota
+ res. qd. oolitic por; Quasi Fern
5171-5007 Lms. tas. wht. to cream-chlk + tan,
crypto. to wh. xlv.; v. to vertly oolitic
for sh. to v. oolitic; matrix sub-succo to succo
+ packstn; dul. yel. fluox.; No cut; a bu. p.
to f. a. tas. qd. oolitic, p.p., micro-por
+ poss interm. por

Lms. lt. gray. to tan; crypto. to v. u. xlv.
tas. sub-chlk, sub-succo + packstn;
dul. yel. to dul. lt. yel. fluox.; No cut
No Vis Por.

Sh. v. drk. gray. to black-camb.

Lms. similar 5202-5235

Prob. Sh med to drk. gray, sh. to v. calc

Interbedded Limestones

① Lms. tas. to a bu. cream to tan-chlk.
and tan, grayish. IP's; crypto to v. fu. xlv.
tas. to hvy. tas. phantom oolitic IP's;
dul. lt. yel. fluox.; No cut; No Vis Por

② Lms. lt. gray. to tas med. gray-shi
to faly. shly. IP's and grayish. tan
to tan; crypto to v. v. fu. xlv.
sub-chlk, sub-succo + packstn;
scattered tas. v. dul. lt. yel. fluox.
No cut; No Vis Por

REGY. 12

BLK. SH. 9

REGY. 13

REGY. 10

BLK. SH. 80

Marmaton
5275-2583

55??

5200

5300

G 4 3 3 2 1

4 3 3 2 1

4 3 3 2 1

FLOODED AGITATOR

Mud In Pa:

Date	1-31	2-1	2-2	2-3	2-4	2-5	2-6	2-7	2-8	2-9
	2:45A	7:00A	9:00A	9:20A	9:30A	8:30A	7:30P	1:30P	1:20P	1:30PM
Depth	3857	4317	4855	5215	5490	5667	6012	6267	6450	6450
WT.	9.2	9.2	9.3	9.3	9.2	9.3	9.2	9.1	9.1	9.2
Vis	38	40	47	45	54	43	52	54	54	64
PV	11	10	15	18	21	19	25	25	25	25
YP	18	16	10	6	9	8	10	10	10	10
GS	11/20	11/20	8/18	4/10	8/12	8/12	5/8	5/8	5/8	5/8
WL	34.0	22.0	10.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
Clake	3/32	2/32	2/32	1/32	1/32	1/32	1/32	1/32	1/32	1/32
pH	8.5	10.5	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
CHI	11500	7400	5500	5000	4500	4000	3200	3200	3200	3200
Ca	800	240	80	100	100	100	100	100	100	100
LCM	4.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0

OPERATOR OOLITE ENERGY CORP.
 LEASE FOX NO. 1-19
 ELEVATION 2692 KB RTD 6450

LOCATION 335'FSL & 1485'FWL
 SEC. 19 TWP. 33S RANG. 29W
 COUNTY MEADE STATE KANSAS

Cement Report

Customer <i>Dolite Energy</i>		Lease No.		Date <i>7-11-12</i>	
Lease <i>FOX</i>		Well # <i>1-19</i>		Service Receipt <i>2591</i>	
Casing <i>5 1/2 15.5</i>	Depth <i>6422</i>	County		State <i>KS</i>	
Job Type <i>242 Log String</i>		Formation		Legal Description <i>19-33-29</i>	

Pipe Data		Perforating Data		Cement Data	
Casing size <i>5 1/2 15.5</i>	Tubing Size	Shots/Ft		Lead <i>A-Con Blend</i>	
Depth <i>6422</i>	Depth <i>34'</i>	From	To	<i>2.95ft 3.5K</i>	
Volume <i>149.5 bbls</i>	Volume	From	To	<i>18.16d-516 11.4#</i>	
Max Press <i>2000</i>	Max Press	From	To	Tail in <i>AA2 Cement</i>	
Well Connection <i>5 1/2</i>	Annulus Vol.	From	To	<i>1.51ft 2.5K</i>	
Plug Depth <i>6388</i>	Packer Depth	From	To	<i>6.646d-516 14.8#</i>	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>9:00 AM</i>					<i>Arrive On Location</i>
<i>9:30 AM</i>					<i>Safety Meeting - Rig Up</i>
<i>1:00 AM</i>					<i>Rig Running in Casing</i>
<i>1:00</i>					<i>Circulate w/ N.G.</i>
<i>1:15</i>					<i>Hook up TO BBS</i>
<i>1:30</i>	<i>2000</i>		<i>1.0</i>	<i>1.0</i>	<i>Pressure Test</i>
<i>1:55</i>	<i>490</i>		<i>5</i>	<i>4.0</i>	<i>Pump Water Spacer</i>
<i>1:00</i>	<i>480</i>		<i>12</i>	<i>4.0</i>	<i>Pump Super Flush "</i>
<i>1:05</i>	<i>475</i>		<i>5</i>	<i>4.0</i>	<i>Pump Water Spacer</i>
<i>1:10</i>	<i>450</i>		<i>26</i>	<i>5.0</i>	<i>Pump Lead cement @ 11.4#</i>
<i>1:15</i>	<i>400</i>		<i>44</i>	<i>5.5</i>	<i>Pump Tail cement @ 14.8#</i>
<i>1:25</i>					<i>Drop Plug - Wash Up</i>
<i>1:30</i>	<i>6120</i>		<i>140</i>	<i>7.0</i>	<i>Displace</i>
<i>1:50</i>	<i>7300</i>		<i>10</i>	<i>2.0</i>	<i>Slow Down - Displace</i>
<i>1:50</i>	<i>1800</i>		<i>1</i>	<i>1</i>	<i>Load Plug - Float Hold</i>
					<i>Plugged Part of Mouse Hole</i>
					<i>Thanks For Using Basic Energy Services</i>

Service Units	<i>19820</i>	<i>27462</i>	<i>19827 19500</i>		
Driver Names	<i>J.H.</i>	<i>Eddie</i>	<i>Victor</i>		

Tim T
 Customer Representative

Ben Beath
 Station Manager

Ben Beath
 Cementer

Cement Report

Customer <u>OO Lite</u>		Lease No.		Date <u>1-27-11</u>	
Lease <u>Fox</u>		Well # <u>1-19</u>		Service Receipt	
Casing <u>4 5/8</u>	Depth <u>1661'</u>	County <u>Meade</u>		State <u>KS</u>	
Job Type <u>Surface</u>		Formation		Legal Description <u>19-35-29</u>	
Pipe Data			Perforating Data		Cement Data
Casing size <u>4 5/8</u>		Tubing Size		Shots/Ft	
Depth <u>1660.50</u>		Depth			
Volume <u>102.9</u>		Volume		Lead <u>400# A-Con @ 11.4</u> <u>3% CaCl 1/4# Cellulose</u>	
Max Press <u>1500</u>		Max Press			
Well Connection <u>PC</u>		Annulus Vol.		Tail in <u>100# Prom. Plug</u> <u>@ 14.8# 20% CaCl 1/4# Cellulose</u>	
Plug Depth		Packer Depth			
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<u>03:30</u>					<u>on loc. spot tracks, R.D., 5/8th mile.</u>
<u>16:15</u>	<u>2500</u>				<u>Psi test</u>
<u>16:15</u>	<u>100</u>		<u>0</u>	<u>5</u>	<u>start mixing @ 11.4#</u>
<u>16:50</u>	<u>50</u>		<u>210</u>	<u>4</u>	<u>switch to tail @ 14.8#</u>
<u>16:55</u>	<u>0</u>		<u>36</u>	<u>-</u>	<u>Finished mixing, Drop Plug</u>
<u>17:10</u>	<u>0</u>		<u>0</u>	<u>5</u>	<u>start Disp</u>
<u>17:35</u>	<u>400</u>		<u>93</u>	<u>2</u>	<u>slow Rate</u>
<u>17:43</u>	<u>500-1050</u>		<u>103</u>	<u>-</u>	<u>Plug Down</u>
<u>17:44</u>	<u>1050-0</u>				<u>Release Psi, float held</u>
Service Units <u>19558</u>		<u>31223.377%</u>		<u>19529 19566</u>	<u>30463</u>
Driver Names <u>C. Hinz</u>		<u>S. Bradford</u>	<u>V. Vasquez</u>	<u>S. Chavert</u>	

Tim Thompson
Customer Representative

Serry Barnett
Station Manager

Chad Hinz
Cementer