CONFIDENTIAL

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

WELL COMPLETION FORM MELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGHA MAL
7/23/11

RECEIVED

OPERATOR: Licens	se # 32294		API No. 15 - 121-28677-0000			
			Spot Description: NE/4 Sec. 21 T16S R25E			
Address 1: 24850 I	Farley		NE_SW_NE_Sec. 21 Twp. 16 S. R. 25 F East West			
Address 2:			3630 Feet from North / South Line of Section	חנ		
City: Bucyrus	State: KS	zip: 66013 +	Feet from 🕡 East / 🗌 West Line of Section			
Contact Person:Ci	urstin Hamblin		Footages Calculated from Nearest Outside Section Corner:			
Phone: (913_)_	533-9900		□NE □NW ☑SE □SW			
CONTRACTOR: Lice	ense #_32294		County: Miami			
Name: Osborn E	Energy, L.L.C.		Lease Name: Divine Well #: 2-21			
Wellsite Geologist: C	Surstin Hamblin		Field Name: Louisburg	_		
Purchaser: Akawa	Natural Gas, L.L.C.		Producing Formation: Marmaton	_		
Designate Type of Co	ompletion:		Elevation: Ground: 1030 Kelly Bushing:	_		
New Well	Re-Entry	Workover	Total Depth: 699 Plug Back Total Depth:	_		
Oil	_ SWD SIOW		Amount of Surface Pipe Set and Cemented at: Fer	et		
Gas	_ ENHR SIGW		Multiple Stage Cementing Collar Used? Yes No			
CM (Coal Bed	Methane) Temp. /	Abd.	If yes, show depth set: Fee	et .		
Dry	Other	Expl., Cathodic, etc.)	If Alternate II completion, cement circulated from: 654,77	_		
If Workover/Re-entry	: Old Well Info as follows:	, Lapi., General Guly	feet depth to: Surface w/ 100 sx cm	nt,		
•			Drilling Fluid Management Plan AH II NO 8-2005	-		
•			(Date must be collected from the Reserve Pit)			
		Total Depth:	Chloride content:ppm Fluid volume:bb	de		
•	•	to Enhr Conv. to SWD	Dewatering method used:	1.3		
· -	P			_		
Commingled			Location of fluid disposal if hauled offsite:			
Dual Complet	tion Docket No.:		Operator Name:	_		
Other (SWD o	r Enhr.?) Docket No.:		Lease Name: License No.:	_		
7/10/2009	7/13/2009	7/20/2009	Quarter Sec Twp S. R	st		
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date	County: Docket No.:	-		
Kansas 67202, with of side two of this for tlatity in excess of 1	hin 120 days of the spud da orm will be held confidentia 12 months). One copy of a	ite, recompletion, workover or I for a period of 12 months if re If wireline logs and geologist w	th the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information equested in writing and submitted with the form (see rule 82-3-107 for confidence) report shall be attached with this form. ALL CEMENTING TICKETS MUST orm with all temporarily abandoned wells.			
•	ne statutes, rules and regula rrect to the best of my knov		the oil and gas industry have been fully complied with and the statements here	in		
Signature:	istr Hau	aln	KCC Office Use ONLY			
Title: Greolo	gist	Date: 7.23.09				
	n to before me this <u>23</u>	1 1	Letter of Confidentiality Received	I		
		- 00, 01	If Denied, Yes Date:			
20 09 .	Jan. 12	_	Wireline Log Received Geologist Report Received KANSAS CORPORATION CON	MISSI		
Notary Public:	WY LL		UIC Distribution			
Data Ofmarianis - 5:		ane Brewer	L JUL 2 7 200	9		

Notary Public

Side Two

Operator Name: USDO	m Energy, L.L.C	<u> </u>	Lease Name: _	Divine		Well #: _2-2	1
	S. R. <u>25</u>		County: Miam	i			
time tool open and clos	ed, flowing and shi if gas to surface to	nd base of formations pen- ut-in pressures, whether sl est, along with final chart(s report.	hut-in pressure rea	thed static level.	hydrostatic pres	sures, bottom	hole temperatu
Drill Stem Tests Taken (Attach Additional Sh	noets)	Yes No		og Formatio	on (Top), Depth a	nd Datum	☐ Samp
Samples Sent to Geolo	gical Survey	☐ Yes ☑ No	Nam	e		Тор	Datu
Cores Taken Electric Log Run (Submit Copy)		☐ Yes ☑ No ☐ Yes ☑ No					
		CASING	RECORD N	w Used	***************************************		
		Report all strings set-c			ion, 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 F Additiv
Surface	12 1/4"	8 5/8"		22.70	portland	5	water
Production	6 3/4"	4 1/2"		654.77	owc	100	100# gel
		ADDITIONAL	CEMENTING / SQL	EEZE RECORD			}
Purpose: Perforate	Depth Top Battom	Type of Cement	#Sacks Used		.	Percent Additive	s
					 	<u>-</u>	
Shots Per Foot	PERFORAT	ION RECORD - Bridge Plugs	s Set/Type	Acid, Fra	cture, Shot, Cemer	nt Squeeze Reco	rd
Shots Per Poor	Specify	Footage of Each Interval Perf	orated	(A	mount and Kind of M	laterial Used)	
						KANSAS	CORPORATION
						. <u> </u>	JUL 27
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TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes 🗸 No		<u> </u>
Data of First, Resumed Po	roduction, SWD or Er	nhr. Producing Meth	od: Flowing	Pumpi	ng Gas L	iñ 🔲 Ou	ner (Explain)
Estimated Production Per 24 Hours	Oil	Bbfs. Gas (Mcf Wat	er B	ibis.	Gas-Oil Ratio	G
DISPOSITION	NOF GAS:	M	ETHOD OF COMPLE	TION:		PRODUCTI	ION INTERVAL:



20055 TICKET NUMBER 20055

LOCATION D++449

FOREMAN Alan Manuel

PO Box 584, C 620-431-9210	hanute, KS 66720 or 800-467-6676	FIELD TICKET & TRE CEMI		DRT		
DATE	CUSTOMER#	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7 - 20 · 0 ·	6075 Da	vine +2	NE 21	1b	25	M:
PASSO MALLING ADDRE	Energy		TRUCK#	DRIVER	YRUCK #	DRIVER
24850			516	AlenA		
CITX	ISTATE	ZIP CODE	7.2	Caseut		
Bucy	145 155	66013	510	Arlen	 	
JOS TYPE D	40 SMI41 HOLE BIZE		PR 699	CASING SIZE & V	VEIGHT 41	1/2
CASING DEPTH					OTHER	
SLURRY WEIGH DISPLACEMENT			<u> </u>	CEMENT LEFT IN		~
REMARKS: C			Mined.		pay,	- # · · /
4 77	1 1 1 1/1	owed by 46	661 01.11	t fump	rod f	90
100	A OWL CEM	ant. Circula	led dun	tousur	for an	Fluston
pump	10 fumped	plu to	aging N	D- W	all he	.Id
500	AST. Check	Ad depth.	507 11	sal.		
						
Cust	IMAN WATE	'				
			A	1		
ACCOUNT	QUANITY or UNITS			Ken /	1 order	
5401			of SERVICES or PRO	OUCT	UNIT PRICE	TOTAL
3706	40	PUMP CHARGE MILEAGE				870.00
3402	(34'		fontage.			138.00
3407 A	188_	ton mile	5	· · · · · · · · · · · · · · · · · · ·	218.08	THEOLD
11188	150					
1126	(00	OWL				24.00
4404	1	H'A Alex				1600,00
		- Francis	KANS	SAS CORPURATION	OHMISSION	43.00
						
				JUL 272		
		ACT /	<i>y</i>	RECEN	ED	
		16,150	ty -			
						
	<u> </u>	_		7 32		100 10
Indo \$757				6.33	ESTIMATE:	2001 27
	1204a1				ESTIMATE!	3002.27

230491 AUTHORIZTION

TITLE

DATE

Geological Report

Divine # 2-21

3630 FSL, 1650 FEL **Section:** 21-T16S-R25E

Miami Co., Kansas

API#: 15-121-28677-0000

Elevation: 1030' GL

Drilling Contractor: Osborn Energy, L.L.C (Lic. # 32294)

Spud: 7/10/2009 Production Bore Hole: 6 3/4"

Rotary Total Depth: 699 on 7/13/2009

Drilling Fluid: air

Surface Csg.: 8 5/8" set @ 22.70' with 5 sx in 12 4" hole

Production Csg.: 4 ½" set at 654.77 Geologist: Curstin Hamblin Driller: Brian Schwab

Formation	Driller Log Tops	Datum
Charle Challe	122 124/	903
Stark Shale	133-134'	
Hushpuckney Shale	165-167'	871
Base Kansas City	182'	854
Knobtown Sand	207	829
Carbonaceous Zone in Tacket F	m. No call	
"Big Lake" Sand	291'	745
South Mound Zone	335-336′	701
Hepler (Wayside) Sand	No call	
"Upper" Mulberry Zone	No call	
Mulberry Zone	No call	
Weiser Sand	No call	
Myrick Station	413-414'	623
Anna Shale (Lexington Coal Zo	ne) 415-418'	621
Peru Sand	No call	
Summit Shale Zone	459-461'	577
Mulky Coal/Shale Zone	480-485'	556
Squirrel Sand	498′	538
Bevier Zone	548′	442
Croweburg Zone	555 ′	481
Fleming Zone	None	
Mineral Zone	None	
Cattleman Sand	None	KANSAS CORPORATION COMMISSION
Scammon Zone	None	Mark Com orani=

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Tebo Zone Bartlesville A Sand Un Named Zone Bartlesville B Sand	622-634' 658-670' 683 697'	414 378 353 339
Rotary Total Depth	699'	
Drilling at 120' in the Kansas City on 7/ Background Gas (BG) 18 units 120-129: LS: white, nodular	13/2009 at 6:50am	
STARK FORMATION driller called @ 133-134'CG: 100 unit gas kick 130-139: LS: white, nodular, SH: grey, dk 140-149: LS: white, lt grey, black oil st 150-159: LS: white, nodular	grey, black aining	
HUSHPUCKNEY SHALE Geologist called @165-1 166: SH: dk grey, black no gas in s 160-169: LS: lt grey, SH: grey, dk grey, 170-179: LS: white, lt grey, lots of incl CG: 140 units	amples black usions	BG
180-189: LS: white, SS: lt grey, very fin BKC: 182 190-199: SS: lt grey, gummy, no oil 200-209: SH: grey, SS: grey, fine grained 210-219: SS: grey, fine grained, 216: very small oil show		
CG: 100 units 220-229: SS: grey, very fine grained, gum 230-239: Siltstone: grey, gummy 240-249: SH: grey, gummy 250-259: Siltstone: grey, gummy 260-269: Siltstone: grey, gummy 270-279: SH: grey, gummy, Pyrite	my, slight oil show, Pyrite	
280-289: SH: grey, LS: occ. White BIG LAKE SAND Geologist called at 291, ga **GAS TEST @299', 0 MCF**	s kick of 18 units	
290-299: SS: grey, fine grained 291-194: slight oil show in samples odor	, drilling dry, no oil in pit,	heavy
CG: 365 units 300-309: Siltstone: It grey, clean-not gu 310-319: SH: grey 320-329: SH: grey, silty ***Chromatograph quit running. Jeff and J it.		ithout
SOUTH MOUND ZONE Geologist called @335-33	6, no chromatograph	

SOUTH MOUND ZONE Geologist called @335-336, no chromatograph **GAS TEST @339', 0 MCF **

330-339: SH: grey, gummy, some dk grey/black 340-349: SH: grey, SS: grey, fine grained, small amt of coal

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350-359: SS: grey, fine grained, very small amount of oil
360-369: SH: grey, LS: white
370-379: LS: tan/pinkish, SH: grey
380-389: LS: white, LS: tan, bleeding oil
      388-389: LS: very strong odor, bleeding oil, nodular, sandy
**GAS TEST 0391', 0 MCF **
390-399: LS: white, SS: lt grey, tan, very strong odor, little oil in pit, or in
samples
400-409: SH: grey, gummy, Siltstone: grey, Pyrite
LEXINGTON COAL ZONE Geologist called 0415-418', no chromatograph
**GAS TEST @ 419', 79 MCF Total**
410-419: LS: tan, SH: black, dk grey, Coal, Pyrite
      416: SH: black, good gas in samples
420-429: SH: grey, limey, SS: lt grey, small grained
430-439: LS: 1t grey, white, SH: grey/green, limey
440-449: LS: It grey, SH: grey, limey
SUMMIT SHALE ZONE Geologist called 0459-461', no chromatograph
**GAS TEST 0459', 0 mcf, 56 mcf open flow, 79 MCF Total **
450-459: LS: dk grey, SH: grey, limey, SH: dk grey/black
      460: SH: dk grey, no gas in samples
460-469: SH: grey, dk grey, SH: limey, grey, LS: grey
470-479: SH: grey, limey
**GAS TEST @479',0 Mcf, 49 mcf open flow, 79 MCF Total **
MULRY COAL/SHALE ZONE Geologist called @480-485', no chromatograph
**GAS TEST @499', 30 mcf, 79 mcf open flow, 109 MCF Total **
Really for large grafted comments.
480-489: SH: black, coal, SH: grey
      482: SH: black, fair to good gas in samples. The longer I looked, the
better they got. Very good samples after 1 min
SQUIRREL SAND Geologist called @498'
490-499: SS: 1t grey, very fine grained, SS: tan, medium grained
500-509: SS: 1g grey, and tan, both medium grained
510-519: SS: tan, medium grained, no oil
520-529: SS: tan, medium grained, no oil
530-539: SS: tan, medium grained, no oil, grey/black speckled: medium grained,
slight oil breakout
540-549: SS: medium to large grained, speckled, bleeding oil, Coal
      542-547: Oil bleeding into pit. Lots of heavy, thick oil, not much in
samples though
BEVIER ZONE - Geologist called at 548', no chromatograph
CROWEBURG ZONE Geologist called at 555', chromatograph
**GAS TEST @ 559', 0 MCF, 49 MCF open flow**
550-559: SH: grey, quartz, SH: dk grey
560-569: SH: grey, limey, Coal
      562: coal
570-579: SH: grey, SS: grey, medium grained
580-589: SH: grey, Red
590-599: SS: It grey, small grained, SH: dk grey
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600-609: SH: grey, darker grey
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610-619: SS: It grey, small grained, SH: grey
**GAS TEST @ 619',0 MCF, 49 MCF open flow **
FLEMING ZONE-None
MINERAL ZONE-None
CATTLEMAN SAND-None
SCAMMON ZONE-None
TEBO ZONE Geologist called at 622-634', no chromatograph
**GAS TEST @ 639', 0 mcf , 47 MCF open flow **
620-629: SH: grey/dk grey
      624: dk grey shale, very poor gas in samples
630-639: SH: dk grey, black, limey, some coal, SH: grey
640-649: SH: grey, dk grey, slightly limey in places, LS: white occ.
BARTELSVILLE A Geologist called at 658', no chromatograph
**GAS TEST @ 679' 4 MCF, 51 open flow, 113 mcf total **
Poorly developed
650-659: SH: grey, SS: grey and white banded, well cemented, medium grained
660-669: SS: grey and white banded, SH: grey
670-679: SS: 670: It grey, small grained, SH: 671-679: grey
UN NAMED ZONE Geologist called at 683', no chromatograph
**GAS TEST @ 699' MCF, MCF open flow**
680-689: SH: grey/dk grey, limey, LS: dk brown
690-699: SH: dk grey, limey, SS: white, small grained
BARTLESVILLE B Geologist called at 697', no chromatograph
**GAS TEST @ 699', 0 MCF, 49 MCF open flow **
Total Rotary Depth, 699 on 7/13/2009 at 2:30pm
**GAS TEST 0699', 0 MCF, 49 mcf open flow, 113 mcf Total **
Summary:
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Stark: 0
Hushpuckney: 0
South Mound: 0
Lexington: 79
Summit: 0
Mulky: 30
BVA: 4
Total: 113

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