



STATE OF MISSOURI  
MISSOURI DEPARTMENT OF NATURAL RESOURCES  
GEOLOGICAL SURVEY PROGRAM

FORM OGC-3

**APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK**

<input checked="" type="checkbox"/> APPLICATION TO DRILL		<input type="checkbox"/> DEEPEN		<input type="checkbox"/> PLUG BACK		<input checked="" type="checkbox"/> FOR AN OIL WELL		<input type="checkbox"/> OR GAS WELL	
NAME OF COMPANY OR OPERATOR Osborn Energy, LLC						DATE 10/20/2006			
ADDRESS 24850 Farley				CITY Bucyrus		STATE KS		ZIP CODE 66013	
<b>DESCRIPTION OF WELL AND LEASE</b>									
NAME OF LEASE Osborn				WELL NUMBER 53-17		ELEVATION (GROUND) 990'			
WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES) 2475 ft. from <input checked="" type="checkbox"/> North <input type="checkbox"/> South section line 97 ft. from <input checked="" type="checkbox"/> East <input type="checkbox"/> West section line									
WELL LOCATION Sec. 17 Township 43 North Range 33 <input type="checkbox"/> East <input checked="" type="checkbox"/> West				LATITUDE		LONGITUDE		COUNTY Cass	
NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE 165 FEET DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED - FOR WELL ON THE SAME LEASE 328 FEET									
PROPOSED DEPTH 600'		DRILLING CONTRACTOR, NAME AND ADDRESS Osborn Energy, LLC				ROTARY OR CABLE TOOLS air		APPROX. DATE WORK WILL START 11/06/2006	
NUMBER OF ACRES IN LEASE 4000		NUMBER OF WELLS ON LEASE INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR 8 NUMBER OF ABANDONED WELLS ON LEASE None							
IF LEASE PURCHASED WITH ONE OR MORE WELLS DRILLED, FROM WHOM PURCHASED? NAME _____ ADDRESS _____						NO. OF WELLS		PRODUCING _____ INJECTION _____ INACTIVE _____ ABANDONED _____	
STATUS OF BOND		<input type="checkbox"/> SINGLE WELL AMOUNT \$ _____		<input checked="" type="checkbox"/> BLANKET BOND AMOUNT \$ 34000.00		<input checked="" type="checkbox"/> ON FILE		<input type="checkbox"/> ATTACHED	
REMARKS: (IF THIS IS AN APPLICATION TO DEEPEN OR PLUG BACK, BRIEFLY DESCRIBE WORK TO BE DONE, GIVING PRESENT PRODUCING/INJECTION ZONE AND EXPECTED NEW INJECTION ZONE; USE BACK OF FORM IF NEEDED)									
<b>PROPOSED CASING PROGRAM</b>				<b>APPROVED CASING - TO BE FILLED IN BY STATE GEOLOGIST</b>					
AMOUNT	SIZE	WT/FT	CEMENT	AMOUNT	SIZE	WT/FT	CEMENT		
20'	7"		to surface	20'	7"		Portland to Surface		
600'	2 7/8"		to surface	600'	2 7/8"		" "		
I, the Undersigned, state that I am the Agent of the OELLC (Company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct, and complete to the best of my knowledge.									
SIGNATURE <i>Matthew S. Peam</i>						DATE Oct 25, 2006			
PERMIT NUMBER 20775		<input checked="" type="checkbox"/> DRILLER'S LOG REQUIRED		<input checked="" type="checkbox"/> CORE ANALYSIS REQUIRED IF RUN		<input checked="" type="checkbox"/> E-LOGS REQUIRED IF RUN		<input checked="" type="checkbox"/> DRILL SYSTEM TEST INFO REQUIRED IF RUN	
APPROVED DATE 11-1-06		<input type="checkbox"/> SAMPLES REQUIRED		<input checked="" type="checkbox"/> SAMPLES NOT REQUIRED		<input type="checkbox"/> WATER SAMPLES REQUIRED AT _____			
APPROVED BY <i>Matthew S. Peam</i>									
<b>NOTE</b> ▶ THIS PERMIT NOT TRANSFERABLE TO ANY OTHER PERSON OR TO ANY OTHER LOCATION.									
APPROVAL OF THIS PERMIT BY THE OIL AND GAS COUNCIL DOES NOT CONSTITUTE ENDORSEMENT OF THE GEOLOGIC MERITS OF THE PROPOSED WELL NOR ENDORSEMENT OF THE QUALIFICATIONS OF THE PERMITTEE									
I, Agent of the OELLC (Company), confirm that an approved drilling permit has been obtained by the owner of this well. Council approval of this permit will be shown on this form by presence of a permit number and signature of authorized council representative.									
DRILLER'S SIGNATURE <i>Matthew S. Peam</i>						DATE Oct 25, 2006			

NORTHWEST CORNER  
SECTION 17-43-33



SECTION LINE

SECTION LINE

2145'

2475'

PROPOSED GAS  
WELL NO. 47

PROPOSED GAS  
WELL NO. 46

PROPOSED GAS  
WELL NO. 44

330'

330'

330'

330'

PROPOSED GAS  
WELL NO. 45

PROPOSED GAS  
WELL NO. 43

PROPOSED GAS  
WELL NO. 53

PROPOSED GAS  
WELL NO. 54

PROPOSED GAS  
WELL NO. 56

330'

97'

330'

330'

330'

PROPOSED GAS  
WELL NO. 52

PROPOSED GAS  
WELL NO. 55

SOUTHEAST CORNER  
SECTION 17-43-33



- PROPOSED GAS WELL
- FOUND MONUMENT @ SECTION CORNER

FOR: OSBORN ENERGY

GAS WELL LOCATIONS



**JOHN RENNER**  
 LAND SURVEYOR  
 6247 BROOKSIDE BOULEVARD  
 SUITE 204  
 KANSAS CITY, MO 64113  
 816-333-8841

NOTES:

THIS IS NOT A BOUNDARY SURVEY. IT IS FOR  
PROPOSED GAS WELL LOCATION.

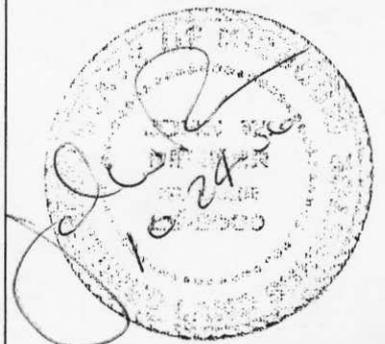
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NOV 01 2006

Mo Oil & Gas Council

DATE: 10-20-2006

JOB No.: 10-06-024





STATE OF MISSOURI  
MISSOURI DEPARTMENT OF NATURAL RESOURCES  
GEOLOGICAL SURVEY PROGRAM

RECEIVED FORM OGC-5

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG FEB 13 2009

NEW WELL  WORKOVER  DEEPEN  PLUG BACK  INJECTION  SAME RESERVOIR  DIFFERENT RESERVOIR  OIL  GAS  DRY

OWNER: Osborn Energy, LLC ADDRESS: 24850 Farley, Bucyrus, KS 66013

LEASE NAME: Osborn WELL NUMBER: 53-17

LOCATION OF WELL: Sec. 17 Twp 43 North, Rng 33 East West OR 2475 ft. from North South 97 ft. from East West

COUNTY: Cass PERMIT NUMBER (OGC-3 OR OGC-31): 20775

DATE SPUDDED: 10/30/2006 DATE TOTAL DEPTH REACHED: 11/1/2006 DATE COMPLETED READY TO PRODUCE OR INJECT: 12/28/2006 ELEVATION (DF, RKR, RT, OR Gr.) FEET: 990 ELEVATION OF CASING HD. FLANGE FEET:

TOTAL DEPTH: 518 PLUG BACK TOTAL DEPTH:

PRODUCING OR INJECTION INTERVAL(S) FOR THIS COMPLETION: 448-458 ROTARY TOOLS USED (INTERVAL) 0 TO 518 DRILLING FLUID USED air CABLE TOOLS USED (INTERVAL):

WAS THIS WELL DIRECTIONALLY DRILLED?  Yes  No WAS DIRECTIONAL SURVEY MADE?  Yes  No WAS COPY OF DIRECTIONAL SURVEY FILED?  Yes  No DATE FILED:

TYPE OF ELECTRICAL OR OTHER LOGS RUN (JUST LOGS FILED WITH THE STATE GEOLOGIST): Gamma Ray Neutron DATE FILED:

CASING RECORD

CASING (REPORT ALL STRINGS SET IN WELL - CONDUCTOR, SURFACE, INTERMEDIATE, PRODUCING, ETC.)

PURPOSE	SIZE HOLE DRILLED	SIZE CASING SET	WEIGHT (LB. FT)	DEPTH SET	SACKS CEMENT	AMOUNT PULLED
Surface	9 1/2"	7"	17	20'	6	
Production	6 1/4"	2 1/2"	6 1/2"	518	94	

TUBING RECORD

LINER RECORD

SIZE	DEPTH SET	PACKER SET AT	SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
INCH	FEET	FEET	INCH	FEET	FEET		FEET

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

NUMBER PER FEET	SIZE AND TYPE	DEPTH INTERVAL	AMOUNT AND KIND OF MATERIAL USED	DEPTH INTERVAL
2	2" DML RTG	448-458	50gal 15% HCL/ 5000#	448-458

INITIAL PRODUCTION

DATE OF FIRST PRODUCTION OR INJECTION: 12/28/2006 PRODUCING METHOD (INDICATE IF FLOWING, GAS LIFT, OR PUMPING - IF PUMPING, SHOW SIZE AND TYPE OF PUMP.): Pumping 1 1/2" insert bbl

DATE OF TEST: 24 HOURS TESTED: 24 CHOKE SIZE: OIL PRODUCED DURING TEST: 2 BBLS GAS PRODUCED DURING TEST: 0 MCF WATER PRODUCED DURING TEST: 2 BBLS OIL GRAVITY: API (CORR.):

TUBING PRESSURE: CASING PRESSURE: CALCULATED RATE OF PRODUCTION PER 24 HOURS: OIL: 2 BBLS GAS: 0 MCF WATER: 2 BBLS GAS OIL RATIO:

DISPOSITION OF GAS (STATE WHETHER VENTED, USED FOR FUEL OR SOLD):

METHOD OF DISPOSAL OF MUD PIT CONTENTS:

Let water evaporate, then fill pit with a backhoe

**CERTIFICATE:** I, the Undersigned, state that I am the Agent of the OELLC (Company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

DATE: 2.10.09 SIGNATURE: *Custis Hambein*

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FEB 13 2009

**Geological Report**

Mo Oil & Gas Council

**Osborn 53-17**

Section 17-T43N-R33W  
Cass Co., Missouri  
Permit #20775  
Elevation: 988' GL  
Drilling Contractor: Osborn Energy, LLC  
Spud: 10-30-06  
Total Rotary Depth: 518'

<u>Formation</u>	<u>Driller Log Tops</u>	<u>Datum</u>
Anna Shale (Lexington)	374'	641'
Summit Shale	422'	566'
Mulky Coal/Shale	440'	548'
Squirrel Sand	446'	542'
Total Depth	518'	

446-449 SS: clear, fine grained, angular to sub-rounded, moderately sorted, slightly micaceous, no show

449-456 SS: clear, brown oil stain, fine grained, angular to sub-rounded, moderately sorted, slightly micaceous, strong odor, free oil

456-459 LS: brown, sandy, free oil

454-518 SH: gy

Total Depth 518'

Brief Summary

Lexington	Small open flow
Squirrel Sand	10' of pay, moderate bleed



CEMENTING WORK ORDER

CONSOLIDATED OIL WELL SERVICES, INC.  
Phone (620) 431-9210 Chanute, Kansas 66720

DAY \_\_\_\_\_ TUE  
DATE \_\_\_\_\_ 11/28/2006  
Month / Day / Time

NAME OF CUSTOMER: \_\_\_\_\_ Osborn  
\_\_\_\_\_  
\_\_\_\_\_

LEASE # Osborn WELL # 53

JOB DESCRIPTION: \_\_\_\_\_ longstring  
\_\_\_\_\_  
\_\_\_\_\_

PIPE SIZE \_\_\_\_\_ 2 1/2 \_\_\_\_\_ SIZE OF HOLE: \_\_\_\_\_ 6 1/4

DEPTH OF WELL: \_\_\_\_\_ 518

TYPE OF RIG: AIR MUD

AMOUNT OF CEMENT NEEDED \_\_\_\_\_ 94 sks 50/50 Poz

% OF GEL NEEDED: \_\_\_\_\_ 2%

MATERIALS: \_\_\_\_\_ 92 sks poz, 388# gel

TRUCKS VAC TRANSPORT

LOCATION OF JOB: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ 389-AM, 368-MM, 122-RB

ORDER TAKEN BY: \_\_\_\_\_ Jim Green

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FEB 13 2009

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