

STATE OF MISSOURI
GEOLOGICAL SURVEY PROGRAM
APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

FEB 08 2012
RECEIVED
FORM OGC-1

FEB 08 2012

APPLICATION TO DRILL DEEPEN PLUG BACK FOR AN OIL WELL OR GAS WELL

NAME OF COMPANY OR OPERATOR: Kansas Resource Exploration and Development, LLC **Utah Oil & Gas Council**
DATE: 12/01/2011

ADDRESS: 9393 West 110th St., Suite 500 CITY: Overland Park STATE: KS ZIP CODE: 66210

DESCRIPTION OF WELL AND LEASE

NAME OF LEASE: Belton Unit WELL NUMBER: R-33 ELEVATION (GROUND): 1,089 feet

WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES):
4,929 ft. from North South section line 1,242 ft. from East West section line

WELL LOCATION: Sec. 16 Township 46 North Range 33 East West LATITUDE: 55.8 LONGITUDE: 16.2 COUNTY: Cass
n38 48.93' w94 34.27'

NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE: 1,242 FEET
DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED - FOR WELL ON THE SAME LEASE: 231 FEET

PROPOSED DEPTH: 650' DRILLING CONTRACTOR, NAME AND ADDRESS: Utah Oil, LLC ROTARY OR CABLE TOOLS: Rotary APPROX. DATE WORK WILL START: 02/13/2012

NUMBER OF ACRES IN LEASE: 560 NUMBER OF WELLS ON LEASE INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR: 87
NUMBER OF ABANDONED WELLS ON LEASE: 0

IF LEASE PURCHASED WITH ONE OR MORE WELLS DRILLED, FROM WHOM PURCHASED?
NAME: DE Exploration ADDRESS: 4595 Highway K33, Wellsville, KS 66092
NO. OF WELLS PRODUCING: 50
INJECTION: 28
INACTIVE: 8
ABANDONED: 0

STATUS OF BOND: SINGLE WELL AMOUNT \$ _____ BLANKET BOND AMOUNT \$ 80,000 OK ON FILE 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)

PROPOSED CASING PROGRAM				APPROVED CASING - TO BE FILLED IN BY STATE GEOLOGIST			
AMOUNT	SIZE	WT/FT	CEMENT	AMOUNT	SIZE	WT/FT	CEMENT
20'	8 5/8"		6 sks	20'	8 5/8"	~ 15	Full
650'	4 1/2"		125 sks	650'	4 1/2"	~ 10	Length

04/KR
2/23/12

I, the Undersigned, state that I am the Agent of the K.R.E.D. (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: [Signature] DATE: 01/18/2012

PERMIT NUMBER: 037-20864
APPROVED DATE: 2-23-12
APPROVED BY: Joseph A. [Signature]

DRILLER'S LOG REQUIRED E-LOGS REQUIRED IF RUN
 CORE ANALYSIS REQUIRED IF RUN DRILL SYSTEM TEST INFO REQUIRED IF RUN
 SAMPLES REQUIRED SAMPLES NOT REQUIRED
 WATER SAMPLES REQUIRED AT

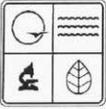
NOTE ▶ THIS PERMIT NOT TRANSFERABLE TO ANY OTHER PERSON OR TO ANY OTHER LOCATION.

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, B. Leech of the Utah Oil (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: B. Leech DATE: 2/4/12

Belton 38.8155 -94.57



STATE OF MISSOURI
MISSOURI DEPARTMENT OF NATURAL RESOURCES
GEOLOGICAL SURVEY PROGRAM
WELL LOCATION PLAT

FORM OGC-4

OWNER'S NAME
Kansas Resource Exploration & Development

LEASE NAME
Belton Unit

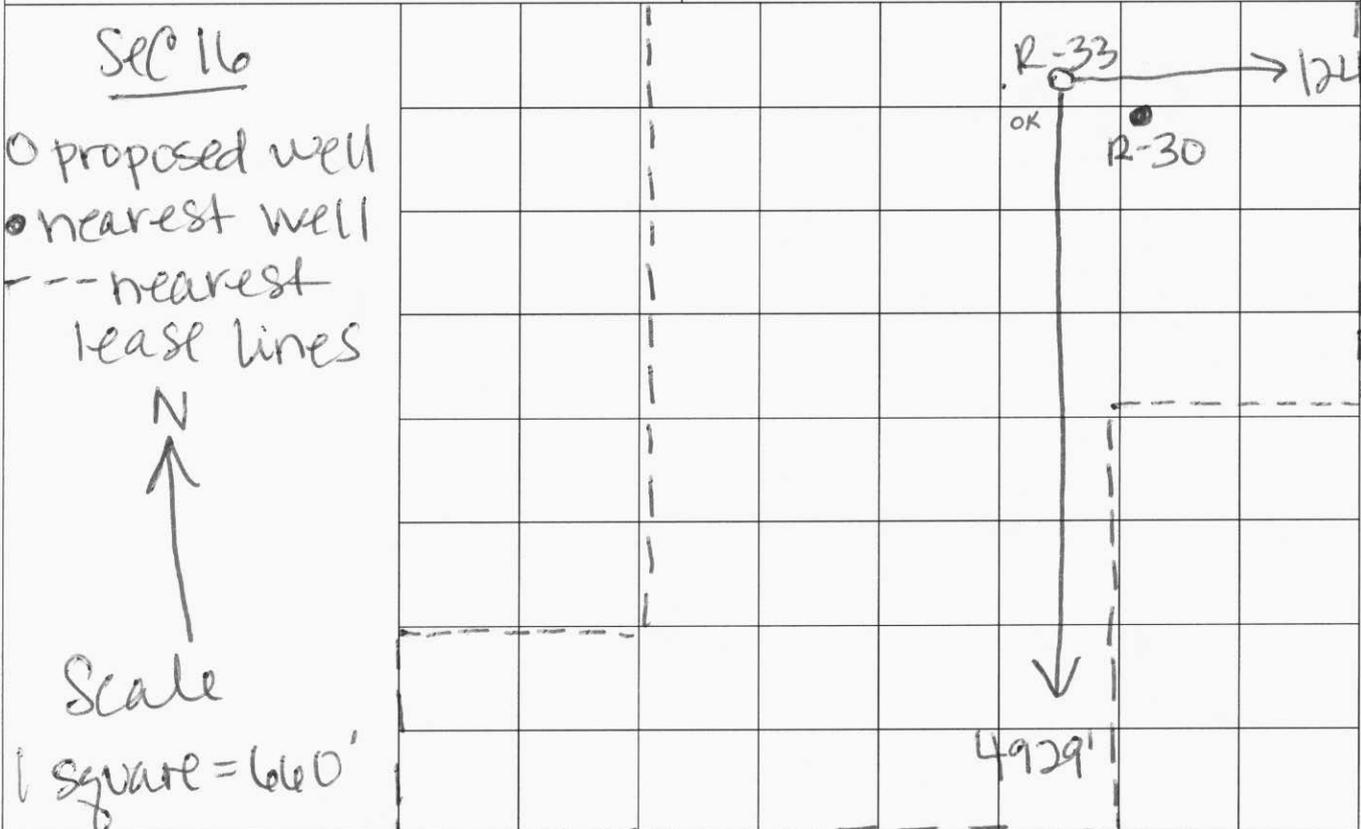
COUNTY
Cass

WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES)
4929 ft. from North South from section line 1242 ft. from East West from section line

WELL LOCATION
Sec. 16 Township 46 North Range 33 East West

LATITUDE
N38 48.93'

LONGITUDE
W94 34.27'



REMARKS
Special project status
section 16 is odd shaped - see attached map

INSTRUCTIONS

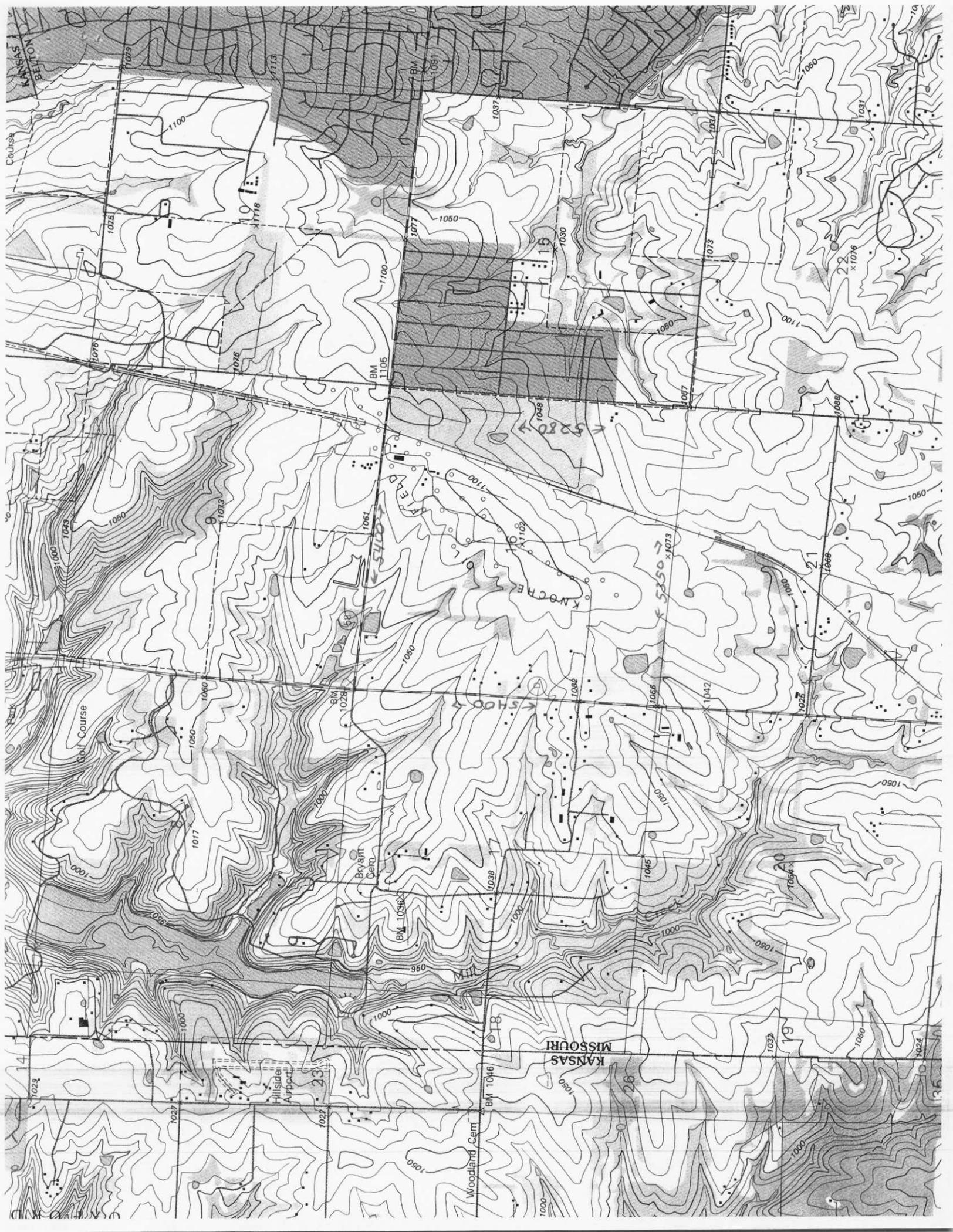
On the above plat, show distance of the proposed well from the two nearest section lines, the nearest lease line, and from the nearest well on the same lease completed in or drilling to the same reservoir. Do not confuse survey lines with lease lines. See rule 10 CSR 50-2.030 for survey requirements. Lease lines must be marked.

This is to certify that I have executed a survey to accurately locate oil and gas wells in accordance with 10 CSR 50-2.030 and that the results are correctly shown on the above plat.

REMIT TWO (2) COPIES TO:
GEOLOGICAL SURVEY PROGRAM
PO BOX 250, ROLLA, MO 65402-0250 (573) 368-2143
ONE (1) COPY WILL BE RETURNED

REGISTERED LAND SURVEYOR

NUMBER





STATE OF MISSOURI
MISSOURI DEPARTMENT OF NATURAL RESOURCES
GEOLOGICAL SURVEY PROGRAM

FORM OGC-5

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

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

OWNER: Kansas Resource Exploration & Development LLC
ADDRESS: 9393 W. 110th Street, Ste. 500, Overland Park, KS 66210

LEASE NAME: Belton
WELL NUMBER: R-33

LOCATION OF WELL: Sec. 16 Twp. 46 North, Rng. 33 East OR 4929 ft. from South 1292 ft. from East
LATITUDE: N38 48 LONGITUDE: W94 34

COUNTY: Cass PERMIT NUMBER (OGC-3 OR OGC-31): 037-20804

DATE SPUNNED: 3.21.12 DATE TOTAL DEPTH REACHED: 3.22.12 DATE COMPLETED READY TO PRODUCE OR INJECT: 5.10.12
ELEVATION (DF, RKR, RT, OR Gr.) FEET: 55.8 ELEVATION OF CASING HD. FLANGE FEET: 10.2

TOTAL DEPTH: 700 PLUG BACK TOTAL DEPTH:

PRODUCING OR INJECTION INTERVAL(S) FOR THIS COMPLETION: 512-518, 586-590, 600-610, 614-624
ROTARY TOOLS USED (INTERVAL): 0 TO 700
CABLE TOOLS USED (INTERVAL): N/A
DRILLING FLUID USED:

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/CCL
DATE FILED: 02/19/2014

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	12 1/4"	8 5/8"	20#	20	6	0
Longstring	6 1/2"	4 1/2"	10.5#	700	80	0

TUBING RECORD

LINER RECORD

SIZE	DEPTH SET	PACKER SET AT	SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
INCH	FEET	FEET	INCH	FEET	FEET		FEET
2 3/8	700	N/A	N/A	N/A	N/A	N/A	N/A

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	3 3/8" DP 23 GR.	512-518, 586-590, 600-610, 614-624	60 sks, 20/40 sand	512-518, 586-590, 600-610, 614-624

INITIAL PRODUCTION

DATE OF FIRST PRODUCTION OR INJECTION: 5.10.12
PRODUCING METHOD (INDICATE IF FLOWING, GAS LIFT, OR PUMPING - IF PUMPING, SHOW SIZE AND TYPE OF PUMP.):

DATE OF TEST: 5.10.12 HOURS TESTED: 24 CHOKE SIZE: N/A OIL PRODUCED DURING TEST: 20 BBLs GAS PRODUCED DURING TEST: 0 MCF WATER PRODUCED DURING TEST: 5 BBLs OIL GRAVITY: 24 API (CORR.)

TUBING PRESSURE: 0 CASING PRESSURE: 0 CALCULATED RATE OF PRODUCTION PER 24 HOURS: 20 OIL: 20 BBLs GAS: MCF WATER: 5 BBLs GAS OIL RATIO: 0

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

METHOD OF DISPOSAL OF MUD PIT CONTENTS: Air Dry

CERTIFICATE: I, the Undersigned, state that I am the Geo of the kred (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: 02/19/2014 SIGNATURE: BK

INSTRUCTIONS: Attach drillers log or other acceptable log of well.

* Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

DETAIL OF FORMATIONS PENETRATED

FORMATION	TOP	BOTTOM	DESCRIPTION (SEE * ABOVE)

Beltan R-33

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
8	soil & clay	8
50	lime	58
26	shale	84
11	lime	95
18	shale	113
5	lime	118
34	shale	152
4	lime	156
24	shale	180
15	lime	195
2	shale	197
11	lime	208
14	shale	222
13	lime	235
55	shale	290
3	lime	293 <i>Base Pawnee Lime</i>
117	shale	410 <i>Labette Shale</i>
6	lime	416 <i>Higginsville Lime</i>
14	shale	430
12	lime	442
9	shale	451 <i>Summit Coal</i>
17	lime	468 <i>Blackjack Creek Lime</i>
39	shale	507 <i>Mulky Coal</i>
3	grey sand	510 <i>Top Squirrel Sand</i>
4	broken sand	514
3	grey sand	517
7	limey sand	524
1	broken sand	525
1	grey sand	526
2	oil sand	528 brown, a few bleeding seams
1.7	broken sand	529.7 brown & grey sand, 805 bleeding
0.8	shale	530.5
0.5	broken sand	531
6	shale	537 with a few sandy seams
0.5	broken sand	537.5 brown & grey sand 50% bleeding
1	shale	538.5
0.5	broken sand	539
1	oil sand	540 black, good sand, good bleeding
3	sand	543 grey with a few brown sand seams

5	limey sand	548 white, no oil
0.5	broken sand	548.5 black & grey sand, 80% bleeding
1	limey sand	549.5 white, no oil
2.5	oil sand	552 black, good bleeding, good sand
20	silty shale	572
2.5	broken sand	574.5 brown & grey sand, 50% bleeding
1.5	oil sand	576 black, good bleeding
1	shale	577
0.5	oil sand	577.5 brown, good bleeding
0.5	shale	578
1	lime & shale	579 lite oil show
4	shale	583
6	oil sand	589 brown, lite show
1	lime	590
4	oil sand	594 <i>Base Squirrel Sand</i>
1	lime	595
9	broken sand	604
1	lime	605
1	sand, lime, shale	606
14	lime	620
3	shale	623
2	lime	625 <i>Verdigris</i>
75	shale	700 TD <i>Oakley</i>

Drilled a 12 1/4" hole to 20.2'

Drilled a 6 1/2" hole to 700'

Set 20.2' of 8 5/8" surface casing cemented with 6 sacks of cement.