

OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
P.O. BOX 52000  
OKLAHOMA CITY, OK 73152-2000  
(Rule 165:10-3-1)

API NUMBER: 083 24301 A

Approval Date: 05/14/2014  
Expiration Date: 11/14/2014

Horizontal Hole Oil & Gas

Amend reason: CHANGE SURFACE LOCATION; UPDATE  
LOCATION EXCEPTION ORDER

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 18 Twp: 17N Rge: 4W

County: LOGAN

SPOT LOCATION:  SW  SW  SW  SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 128 2436

Lease Name: CALDWELL

Well No: 1-18H

Well will be 128 feet from nearest unit or lease boundary.

Operator Name: PAYNE EXPLORATION COMPANY

Telephone: 4058439419

OTC/OCC Number: 918 0

PAYNE EXPLORATION COMPANY  
7005 N ROBINSON AVE  
OKLAHOMA CITY, OK 73116-9044

JANA CALDWELL  
12508 APPLETON WAY  
OKLAHOMA CITY OK 73142

Formation(s) (Permit Valid for Listed Formations Only):

Name	Depth	Name	Depth
1 HUNTON	7000	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 622817

Location Exception Orders: 625841

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 11888

Ground Elevation: 1091

**Surface Casing: 525**

Depth to base of Treatable Water-Bearing FM: 390

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 6800 Average: 4300

Is depth to top of ground water greater than 10ft below base of pit? Y

Within 1 mile of municipal water well? N

Wellhead Protection Area? Y

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-27118  
H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

This permit does not address the right of entry or settlement of surface damages.  
The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.  
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District  
Office of the Conservation Division as to when Surface Casing will be run.

HORIZONTAL HOLE 1

Sec 18 Twp 17N Rge 4W County LOGAN

Spot Location of End Point: N2 N2 N2 N2

Feet From: NORTH 1/4 Section Line: 200

Feet From: EAST 1/4 Section Line: 2640

Depth of Deviation: 6530

Radius of Turn: 533

Direction: 357

Total Length: 4521

Measured Total Depth: 11888

True Vertical Depth: 7063

End Point Location from Lease,  
Unit, or Property Line: 200

Notes:

Category

Description

LOCATION EXCEPTION - 625841

6/3/2014 - G75 - (I.O.) 18-17N-4W  
X622817 HNTN  
SHL NCT 100 FSL, NCT 1320 FEL OR FWL  
FIRST PERF NCT 200 FSL, NCT 1320 FEL OR FWL  
LAST PERF NCT 200 FNL, NCT 1320 FEL OR FWL  
PAYNE EXPLOR. CO.  
5-22-2014

SPACING - 622817

5/14/2014 - G75 - (640)(HOR) 18-17N-4W  
EST HNTN, OTHERS  
POE TO BHL NCT 660' FB  
(SUPERSEDE NON-DEVELOPED NON-HORIZONTAL SPACING UNITS; COEXIST WITH  
PRODUCING NON-HORIZONTAL SPACING UNITS)

SURFACE CASING

5/13/2014 - G71 - MIN. 500' PER ORDER # 59052 & # 66227

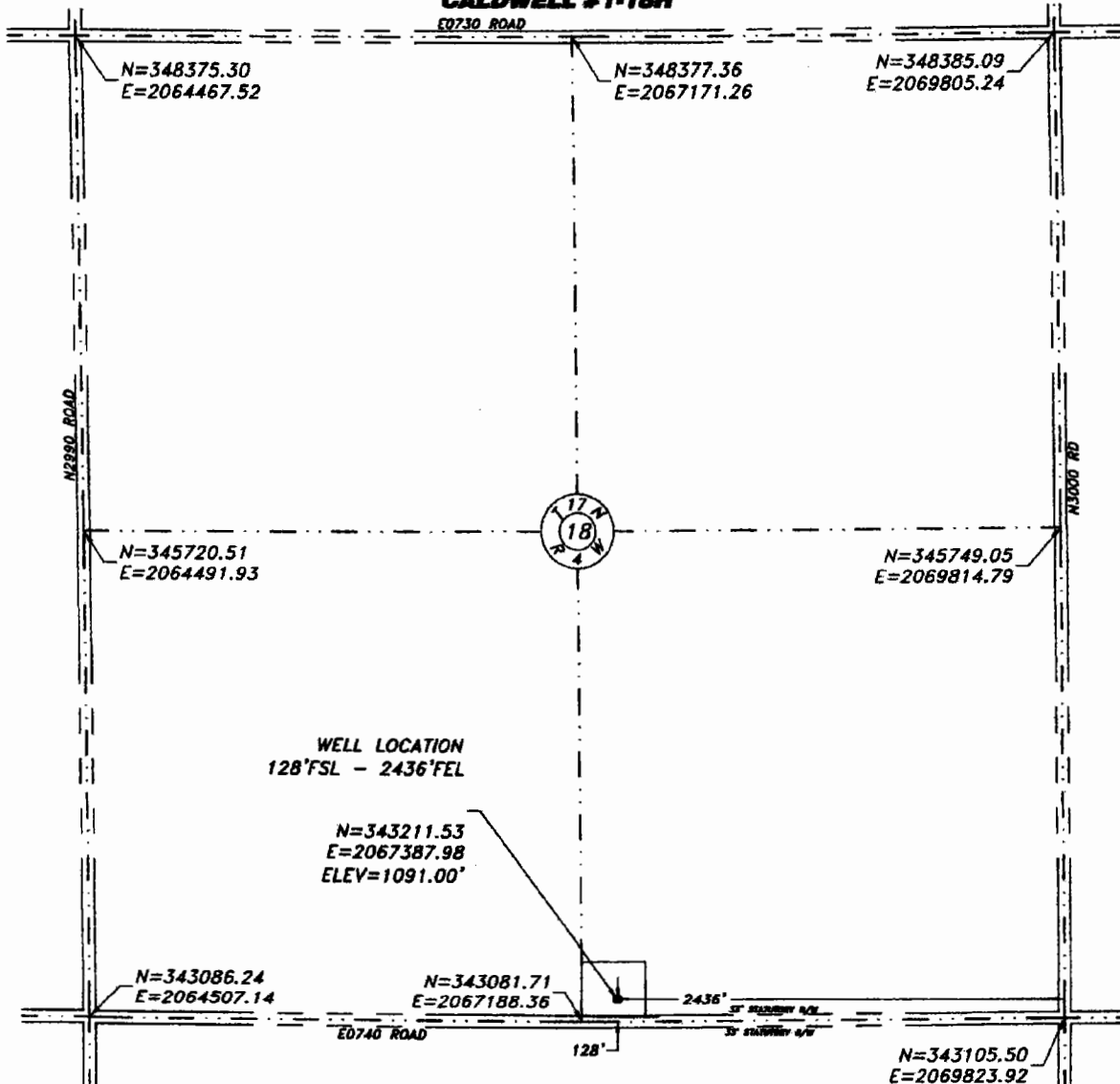
WELLHEAD PROTECTION AREAS

5/13/2014 - G71 - LOGAN CO. RWS & SWMD #3, 2 WPAS, NW4 20-T17N-R4W

# WELL LOCATION

API 083-24301

## CALDWELL #1-18H



WELL LOCATION  
128'FSL - 2436'FEL

N=343211.53  
E=2067387.98  
ELEV=1091.00'

**PAYNE EXPLORATION CO.**  
**CALDWELL #1-18H DATE STAKED: MARCH 27, 2014, (REVISED MAY 5, 2014)**

ELEVATION OF GROUND AT STAKE (EGS): 1091.00'  
TOPOGRAPHY AND VEGETATION: LOCATION FELL IN CULTIVATED FIELD.  
GOOD DRILL SITE?: YES  
REFERENCE STAKES OR ALTERNATE LOCATION STAKES: NONE  
BEST ACCESSIBILITY TO LOCATION: FROM SOUTH (SECTION LINE) E0740 ROAD.  
DISTANCE AND DIRECTION FROM HIGHWAY OR TOWN: FROM THE INTERSECTION OF HIGHWAY 74 AND E0740 ROAD (W CO. RD 74), GO 3.5 MILES WEST TO THE SE CORNER OF THE OF SEC. 18, T17N, R4W.L.M., LOGAN COUNTY, OKLAHOMA.

### SURVEYORS CERTIFICATE

I, MICAH E. GUSTIN, A REGISTERED LAND SURVEYOR IN AND FOR THE STATE OF OKLAHOMA, DO HEREBY CERTIFY THAT ON THE 27TH DAY OF MARCH, 2014, THE ABOVE DESCRIBED WELL LOCATION WAS SURVEYED AND STAKED ON THE GROUND 50 FEET EAST OF ABOVE SHOWN LOCATION. THE LOCATION WAS REVISED TO THE ABOVE SHOWN LOCATION AT THE REQUEST OF PAYNE ENERGY.

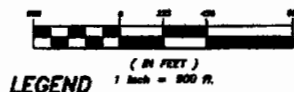
MAY 5, 2014

*Micah E. Gustin*  
MICAH E. GUSTIN, O.L.S. 1769

NOTE: COORDINATES ARE BASED ON OKLAHOMA NORTH ZONE (NAD 83)



GRAPHIC SCALE



LEGEND

- ⊙ WELL LOCATION
- SECTION LINE
- RIGHT-OF-WAY

### VERIFY SCALE

0" ————— 1"

BAR IS ONE INCH ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.



**JIVIDEN AND COMPANY, P.L.L.C.**  
PROFESSIONAL SURVEYING SERVICES

13801 Eastern Avenue  
Oklahoma City, Oklahoma 73151  
O.L.S. 4181 - Expires June 30, 2018  
Mob. (405) 740-3220  
Office (405) 584-1151  
Fax (405) 478-2672

<http://www.jocsurvey.com>

DATE DRAWN	MAY 5, 2014
DRAWN BY	R. WOODS
PROJECT NO.	158-14 - RAWIM, T17N, SECTION 18
DWG NAME	158-14_wellhls_REV.dwg
REVISED DATE	

Page 1 of 2