

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

API NUMBER: 011 23815

Approval Date: 06/16/2017
Expiration Date: 12/16/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 07 Twp: 17N Rge: 11W County: BLAINE
SPOT LOCATION: NW NE NE NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 225 620

Lease Name: REVANA Well No: 1-7H Well will be 225 feet from nearest unit or lease boundary.

Operator Name: HIGHMARK ENERGY OPERATING LLC Telephone: 9725562950 OTC/OCC Number: 23831 0

HIGHMARK ENERGY OPERATING LLC
909 LAKE CAROLYN PKWY STE 1500
IRVING, TX 75039-3912

DONNA PAYNE, TRUSTEE
ROUTE 1, BOX 123A
WATONGA OK 73772

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	9270	6	
2	WOODFORD	9955	7	
3	HUNTON	10050	8	
4			9	
5			10	

Spacing Orders: 658735

Location Exception Orders: 660116

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 14066

Ground Elevation: 1302

Surface Casing: 150

Depth to base of Treatable Water-Bearing FM: 90

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: 75000 Average: 8000

H. SEE MEMO

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

G. Haul to recycling/re-use facility: Sec. 34 Twn. 16N Rng. 10W Cnty. 11 Order No: 641866

Within 1 mile of municipal water well? N

Wellhead Protection Area? N

Pit is not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: FLOWERPOT

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.

PIT 2 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED

Chlorides Max: 350000 Average: 200000

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? N

Pit is not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: FLOWERPOT

HORIZONTAL HOLE 1

Sec 07 Twp 17N Rge 11W County BLAINE

Spot Location of End Point: S2 SE SE SE

Feet From: SOUTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 330

Depth of Deviation: 8403

Radius of Turn: 477

Direction: 177

Total Length: 4914

Measured Total Depth: 14066

True Vertical Depth: 10050

End Point Location from Lease,
Unit, or Property Line: 50

Additional Surface Owner	Address	City, State, Zip
ALLAN & GARY PAYNE, TRUSTEES	P.O. BOX 240	FAIRVIEW, OK 73737

Notes:

Category

Description

HYDRAULIC FRACTURING

6/14/2017 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK [HTTP://FRACFOCUS.ORG/](http://fracfocus.org/) WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE

INTERMEDIATE CASING

6/14/2017 - G71 - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVER-PRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE MORROW SERIES

LOCATION EXCEPTION - 660116

6/15/2017 - G75 - (I.O.) 7-17N-11W
X658735 MSSP, WDFD, HNTN
COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 330' FEL
HIGHMARK RESOURCES, LLC **
1-23-2017

** S/B HIGHMARK ENERGY OPERATING LLC; TO BE CORRECTED AT HEARING FOR FINAL ORDER LOCATION EXCEPTION PER OPERATOR

MEMO

6/14/2017 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

Category

Description

SPACING - 658735

6/15/2017 - G75 - (640) 7-17N-11W
EXT 656358 MSSP, WDFD, HNTN
POE TO BHL (MSSP, HNTN) NLT 660' FB
POE TO BHL (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL
(COEXIST SP. ORDER # 299922 CSTR, MSSSD, HNTN)

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.

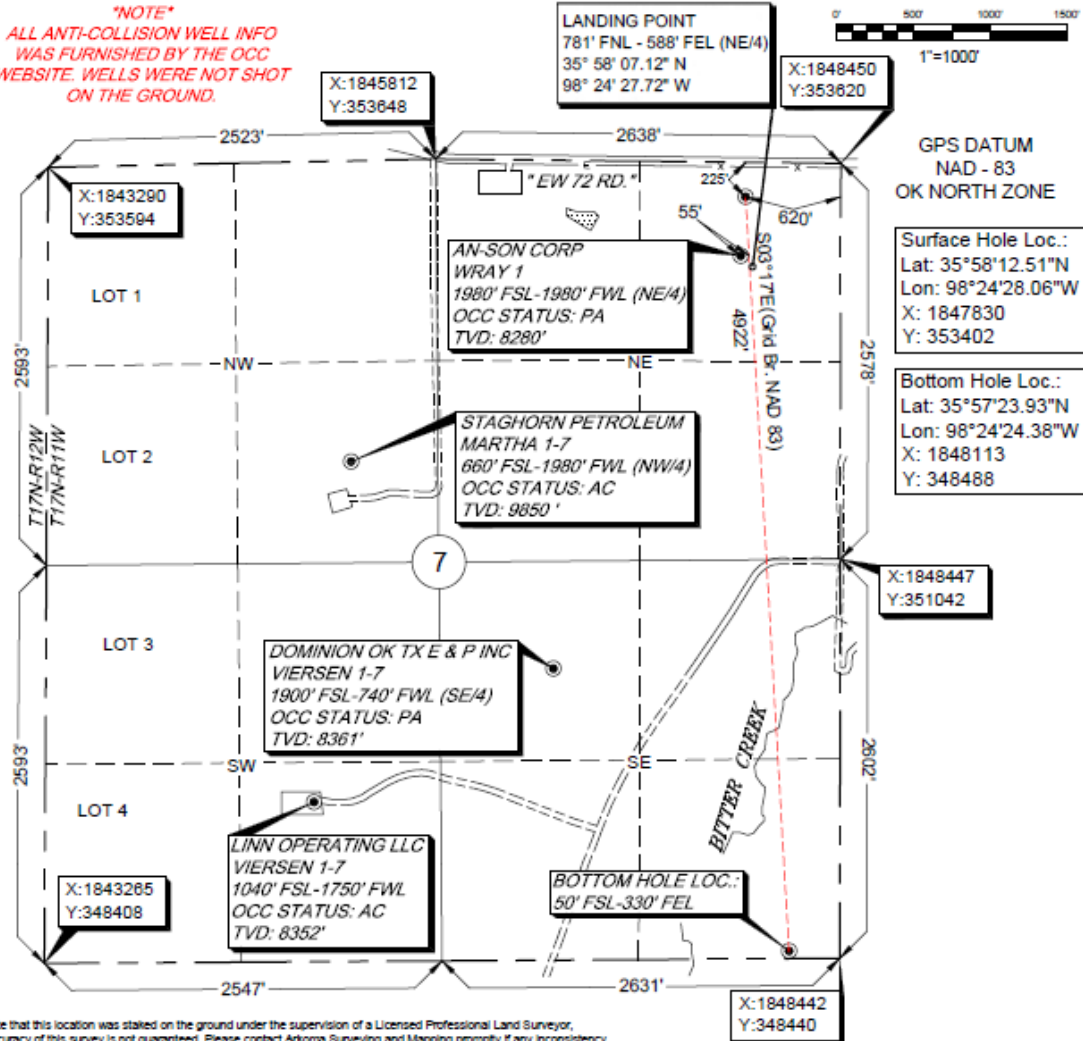
HIGHMARK Well Location Plat

Sec. 7-17N-11W I.M.

Operator: HIGHMARK ENERGY
 Lease Name and No. : REVANA 1-7H
 Footage : 225' FNL - 620' FEL GR. ELEVATION : 1302' Good Site? YES
 Section: 7 Township: 17N Range: 11W I.M.
 County : Blaine State of Oklahoma
 Terrain at Loc. : Location fell in open flat cow pasture, ± 180' South of an E-W fence/aerial power line.



NOTE
 ALL ANTI-COLLISION WELL INFO
 WAS FURNISHED BY THE OCC
 WEBSITE. WELLS WERE NOT SHOT
 ON THE GROUND.



GPS DATUM
 NAD - 83
 OK NORTH ZONE

Surface Hole Loc.:
 Lat: 35°58'12.51"N
 Lon: 98°24'28.06"W
 X: 1847830
 Y: 353402

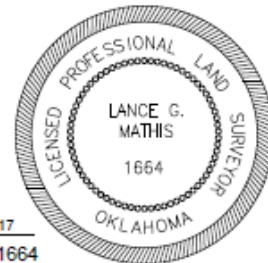
Bottom Hole Loc.:
 Lat: 35°57'23.93"N
 Lon: 98°24'24.38"W
 X: 1848113
 Y: 348488

Please note that this location was staked on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed. Please contact Arkoma Surveying and Mapping promptly if any inconsistency is determined. GPS data is observed from RTK - GPS.

Quarter Section distances may be assumed from a Government Survey Plat or assumed at a proportionate distance from opposing section corners, or occupation thereof, and may not have been measured on-the-ground, and further, corners may NOT have been surveyed on-the-ground, and further, does NOT represent a true Boundary Survey.

survey and plat by,
Arkoma Surveying and Mapping, PLLC
 P.O. Box 238 Wilburton, OK 74578
 Ph. 918-465-5711 Fax 918-465-5030
 Certificate of Authorization No. 6348
 Expires June 30, 2018

Certification:
 This is to certify that this Well Location Plat represents the results of a survey made on the ground performed under the supervision of the undersigned.



Invoice #7010-B
 Date Staked : 05/24/17 By : J.L.
 Date Drawn : 05/30/17 By : K.B.

Lance G. Mathis
 LANCE G. MATHIS 05/30/17
 OK LPLS 1664