

Oklahoma Corporation Commission
Oil & Gas Conservation Division
Post Office Box 52000
Oklahoma City, Oklahoma 73152-2000
Rule 165: 10-3-25

Form 1002A

API No.: 35119243470001

Completion Report

Spud Date: July 10, 2015

OTC Prod. Unit No.:

Drilling Finished Date: July 24, 2015

1st Prod Date: November 14, 2015

Completion Date: December 09, 2015

Drill Type: HORIZONTAL HOLE

Min Gas Allowable: Yes

Well Name: PATTERSON 20 1-29MH

Purchaser/Measurer: SCISSOR TAIL ENERGY

Location: PAYNE 20 18N 5E
NE SW SW
614 FSL 344 FWL of 1/4 SEC
Latitude: 36.00587 Longitude: -96.480501
Derrick Elevation: 891 Ground Elevation: 870

First Sales Date: 11/14/2015

Operator: CROWN ENERGY COMPANY 19779

1117 NW 24TH ST
OKLAHOMA CITY, OK 73106-5615

Completion Type	
X	Single Zone
	Multiple Zone
	Commingled

Location Exception	
Order No	
	647950
	653899
	637423

Increased Density	
Order No	
	637423

Casing and Cement							
Type	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT
SURFACE	9 5/8	36	J-55	914		365	SURFACE
PRODUCTION	7	26	J-55	4079		250	2508

Liner								
Type	Size	Weight	Grade	Length	PSI	SAX	Top Depth	Bottom Depth
LINER	4 1/2	11.6	P-110	5301	0	525	3675	8976

Total Depth: 8990

Packer	
Depth	Brand & Type
There are no Packer records to display.	

Plug	
Depth	Plug Type
There are no Plug records to display.	

Initial Test Data										
Test Date	Formation	Oil BBL/Day	Oil-Gravity (API)	Gas MCF/Day	Gas-Oil Ratio Cu FT/BBL	Water BBL/Day	Pumpin or Flowing	Initial Shut-In Pressure	Choke Size	Flow Tubing Pressure
Dec 24, 2015	MISSISSIPPI	221	41	688	3113	1703	PUMPING		64/64	

Completion and Test Data by Producing Formation			
Formation Name: MISSISSIPPI	Code: 351MISS	Class: OIL	
Spacing Orders		Perforated Intervals	
Order No	Unit Size	From	To
627496	640	4288	8895
Acid Volumes		Fracture Treatments	
24,500 GALLONS 15% HCL		2,160,950 POUNDS 30/50 WHITE SAND	

Formation	Top
OSAGE LAYTON	1864
HOGSHOOTER	2281
LAYTON SS	2314
CHECKERBOARD	2635
CLEVELAND SS	2648
BIG LIME	3035
OSWEGO	3073
PRUE	3208
VERDIGRIS	3227
PINK LIME	3368
RED FORK	3442
BROWN LIME	3588
MISSISSIPPIAN	3658

Were open hole logs run? No

Date last log run:

Were unusual drilling circumstances encountered? No

Explanation:

Other Remarks
There are no Other Remarks.

Lateral Holes

Sec: 29 TWP: 18N RGE: 5E County: PAYNE

SE SE SW SW

268 FSL 1085 FWL of 1/4 SEC

Depth of Deviation: 1575 Radius of Turn: 500 Direction: 168 Total Length: 4677

Measured Total Depth: 8990 True Vertical Depth: 3645 End Pt. Location From Release, Unit or Property Line: 268

FOR COMMISSION USE ONLY

1133053

Status: Accepted

RECEIVED

MAR 03 2016

OKLAHOMA CORPORATION COMMISSION

Form 1002A Rev. 2009

API NO. 119-24347
OTC PROD.
UNIT NO.

PLEASE TYPE OR USE BLACK INK ONLY
NOTE:

Attach copy of original 1002A if recompletion or reentry.

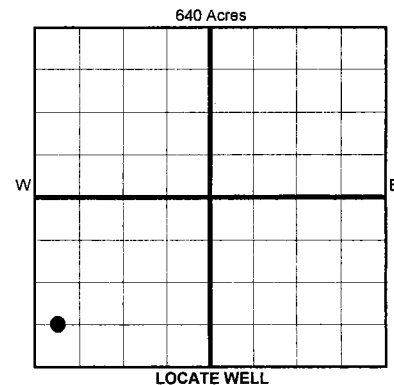
OKLAHOMA CORPORATION COMMISSION
Oil & Gas Conservation Division
Post Office Box 52000
Oklahoma City, Oklahoma 73152-2000
Rule 165:10-3-25

ORIGINAL
 AMENDED (Reason)

COMPLETION REPORT

TYPE OF DRILLING OPERATION
 STRAIGHT HOLE DIRECTIONAL HOLE HORIZONTAL HOLE
 SERVICE WELL

SPUD DATE 7/10/15
DRLG FINISHED DATE 7/24/15
DATE OF WELL COMPLETION 12/9/15
1st PROD DATE 11/14/15
RECOMP DATE
Longitude (if known) -96.480501
OTC/OCC OPERATOR NO. 19779



If directional or horizontal, see reverse for bottom hole location.
COUNTY PAYNE SEC 20 TWP 18N RGE 05E
LEASE NAME PATTERSON 20 WELL NO. 1-29MH
NE 1/4 SW 1/4 SW 1/4 SW 1/4 FSL OF 1/4 SEC 614 FWL OF 1/4 SEC 344
ELEVATIO N Derrick 891 Ground 870 Latitude (if known) 36.00587
OPERATOR NAME CROWN ENERGY COMPANY
ADDRESS 1117 NW 24TH ST
CITY OKLAHOMA CITY STATE OK ZIP 73106

COMPLETION TYPE
 SINGLE ZONE
 MULTIPLE ZONE
Application Date
COMMINGLED Application Date 6/7/950FO
LOCATION
EXCEPTION ORDER 631917 637423
INCREASED DENSITY
ORDER NO.

CASING & CEMENT (Form 1002C must be attached)

TYPE	SIZE	WEIGHT	GRADE	FEET	PSI	SAX	TOP OF CMT
CONDUCTOR							
SURFACE	9 5/8"	36#	J-55	914		365	SURFACE
INTERMEDIATE	7"	26#	J-55	4,079		250	2,508
PRODUCTION							
LINER	4 1/2"	11.6#	P-110	8976	3675	525	3,675
							TOTAL DEPTH 8,990

PACKER @ _____ BRAND & TYPE _____ PLUG @ _____ TYPE _____ PLUG @ _____ TYPE _____
PACKER @ _____ BRAND & TYPE _____ PLUG @ _____ TYPE _____ PLUG @ _____ TYPE _____

COMPLETION & TEST DATA BY PRODUCING FORMATION 351 MISS.

FORMATION	MISSISSIPPIAN								
SPACING & SPACING ORDER NUMBER	640 acres 627496								
CLASS: Oil, Gas, Dry, Inj, Disp, Comm Disp, Svc	OIL								
PERFORATED INTERVALS	4288'-8895'								
ACID/VOLUME	24,500 gal 15% HCL								
FRACTURE TREATMENT (Fluids/Prop Amounts)	2,160,950 lbs 30/50 white sand								

Reported to For Focus

Min Gas Allowable (165:10-17-7) OR Oil Allowable (165:10-13-3) Gas Purchaser/Measurer SCISSOR TAIL ENERGY First Sales Date 11/14/2015

INITIAL TEST DATA

INITIAL TEST DATE	12/24/2015								
OIL-BBL/DAY	221								
OIL-GRAVITY (API)	41								
GAS-MCF/DAY	688								
GAS-OIL RATIO CU FT/BBL	3113								
WATER-BBL/DAY	1703								
PUMPING OR FLOWING	PUMPING								
INITIAL SHUT-IN PRESSURE									
CHOKE SIZE	64/64"								
FLOW TUBING PRESSURE									

AS SUBMITTED

A record of the formations drilled through, and pertinent remarks are presented on the reverse. I declare that I have knowledge of the contents of this report and am authorized by my organization to make this report, which was prepared by me or under my supervision and direction, with the data and facts stated herein to be true, correct, and complete to the best of my knowledge and belief.

SIGNATURE: [Signature] NAME (PRINT OR TYPE): JESS EASTWOOD DATE: 2/25/2016 PHONE NUMBER: 405-526-0111
ADDRESS: 1117 NW 27TH ST CITY: OKC STATE: OK ZIP: 73106 EMAIL ADDRESS: JESSEASTWOOD@CROWNEC.COM

PLEASE TYPE OR USE BLACK INK ONLY
FORMATION RECORD

Give formation names and tops, if available, or descriptions and thickness of formations drilled through. Show intervals cored or drillstem tested.

LEASE NAME _____ WELL NO. _____

NAMES OF FORMATIONS	TOP
OSAGE LAYTON	1,864
HOGSHOOTER	2,281
LAYTON SS	2314
CHECKERBOARD	2,635
CLEVELAND SS	2,648
BIG LIME	3,035
OSWEGO	3,073
PRUE	3,208
VERDIGRIS	3,227
PINK LIME	3,368
RED FORK	3,442
BROWN LIME	3,588
MISSISSIPPIAN	3,658

FOR COMMISSION USE ONLY

ITD on file YES NO

APPROVED _____ DISAPPROVED _____

2) Reject Codes _____

Were open hole logs run? _____ yes no

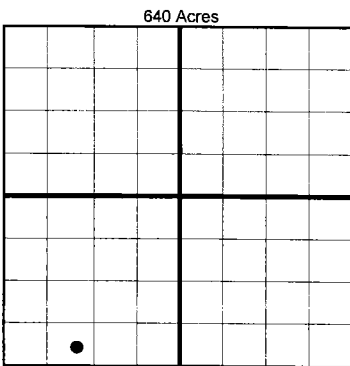
Date Last log was run _____

Was CO₂ encountered? _____ yes no at what depths? _____

Was H₂S encountered? _____ yes no at what depths? _____

Were unusual drilling circumstances encountered? _____ yes no
If yes, briefly explain below _____

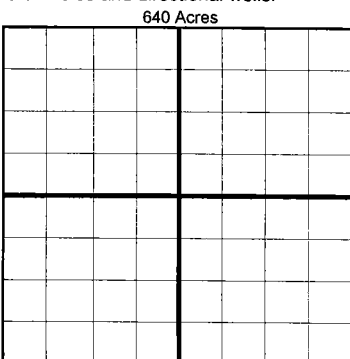
Other remarks: _____



If more than three drainholes are proposed, attach a separate sheet indicating the necessary information.

Direction must be stated in degrees azimuth. Please note, the horizontal drainhole and its end point must be located within the boundaries of the lease or spacing unit.

Directional surveys are required for all drainholes and directional wells.



BOTTOM HOLE LOCATION FOR DIRECTIONAL HOLE

SEC	TWP	RGE	COUNTY				
Spot Location	1/4	1/4	1/4	1/4	Feet From 1/4 Sec Lines	FNL	FWL
Measured Total Depth	True Vertical Depth		BHL From Lease, Unit, or Property Line:				

BOTTOM HOLE LOCATION FOR HORIZONTAL HOLE: (LATERALS)

LATERAL #1

SEC	TWP	RGE	COUNTY								
29	18N	05E	PAYNE								
Spot Location	SE 1/4	SE 1/4	SW 1/4	SW 1/4	Feet From 1/4 Sec Lines	FSL 268	FWL 1085				
Depth of Deviation	1,575		Radius of Turn	500		Direction	168		Total Length	4,677	
Measured Total Depth	8,990		True Vertical Depth		3,645		BHL From Lease, Unit, or Property Line:				
268 81' FNL & 1602' FWL											

LATERAL #2

SEC	TWP	RGE	COUNTY				
Spot Location	1/4	1/4	1/4	1/4	Feet From 1/4 Sec Lines	FSL	FWL
Depth of Deviation	Radius of Turn		Direction		Total Length		
Measured Total Depth	True Vertical Depth		BHL From Lease, Unit, or Property Line:				

LATERAL #3

SEC	TWP	RGE	COUNTY				
Spot Location	1/4	1/4	1/4	1/4	Feet From 1/4 Sec Lines	FSL	FWL
Depth of Deviation	Radius of Turn		Direction		Total Length		
Measured Total Depth	True Vertical Depth		BHL From Lease, Unit, or Property Line:				

CROWN ENERGY COMPANY Well Location Plat - As-Drilled

S.H.L. Sec. 20-18N-5E I.M.
B.H.L. Sec. 29-18N-5E I.M.

Operator: CROWN ENERGY RESOURCES, LLC
Lease Name and No. : PATTERSON 20 #1-29MH
Footage : 614.5' FSL - 344' FWL PAD ELEVATION : 870' Good Site? YES
Section: 20 Township: 18N Range: 5E I.M.
County : Payne State of Oklahoma
Alternate Loc. : N/A
Terrain at Loc. : Level pad site.

Accessibility : From the South.
Directions : From the town of Cushing, OK, at the intersection of State Highway 33 & State Highway 18, go 2.0 miles North on Hwy 18, then go 2.0 miles West on "Deep Rock Road" to the Southwest Corner of Section 20-18N-5E.



GPS DATUM
NAD - 27
OK NORTH ZONE

Conductor Pipe:
Lat: 36°00'58.70"N
Lon: 96°48'05.01"W
X: 2354471
Y: 372131

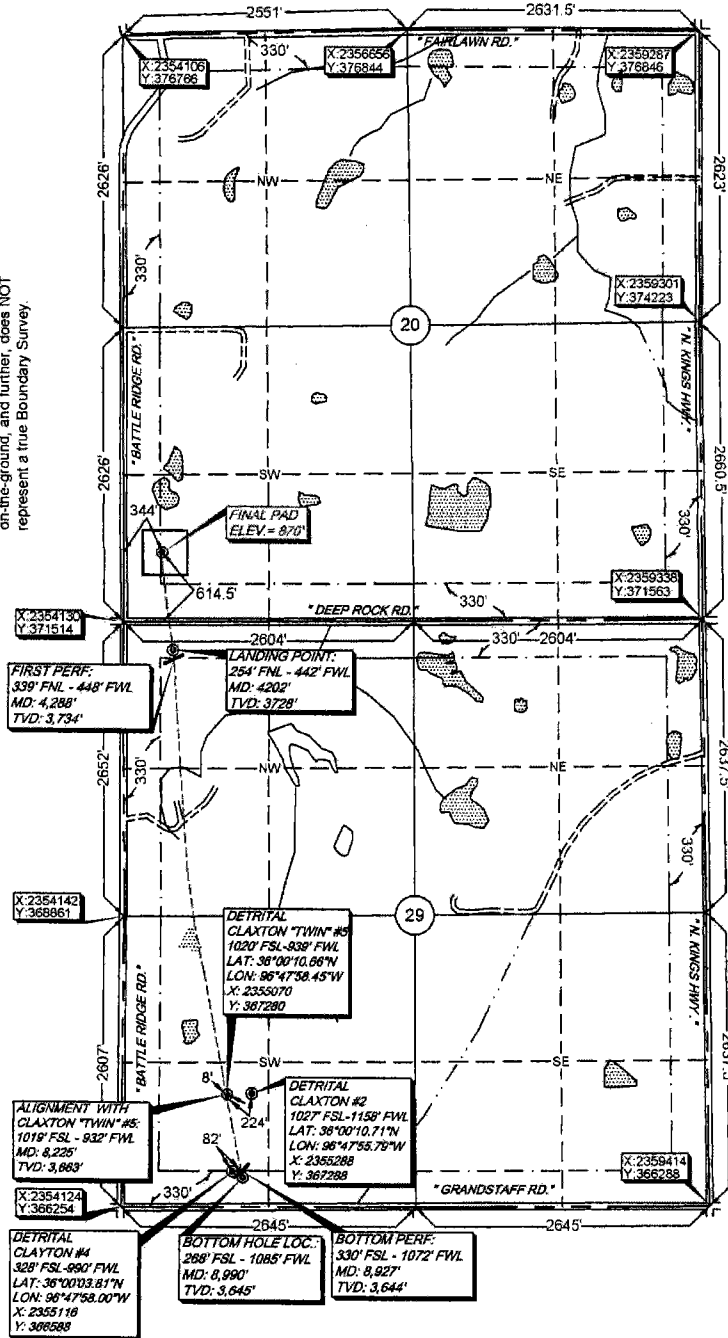
Landing Point:
Lat: 36°00'50.11"N
Lon: 96°48'03.90"W
X: 2354573
Y: 371264

First Perf.
Lat: 36°00'49.27"N
Lon: 96°48'03.83"W
X: 2354580
Y: 371178

Bottom Perf.
Lat: 36°00'03.83"N
Lon: 96°47'57.00"W
X: 2355198
Y: 366591

Bottom Hole Loc.:
Lat: 36°00'03.21"N
Lon: 96°47'56.86"W
X: 2355210
Y: 366529

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. NOTE: X and Y data shown hereon for Section 20-18N-5E may NOT have been surveyed on-the-ground, and further, does NOT represent a true Boundary Survey.



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.

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. 5348
Expires June 30, 2016
Invoice #4442-B-A-(AD)
Date Staked : 07/08/15 By: J.W.
Date Drawn : 07/10/15 By: R.M.
Add As-Drilled : 08/10/15 By: R.S.
Add First Perf : 09/10/15 By: R.S.

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.

Lance G Mathis
LANCE G. MATHIS
OK LPLS 1664

