

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address RAW Oil & Gas, Inc. 1415 Buddy Holly Ave Lubbock, TX 79401		² OGRID Number 371846
⁴ API Number 30-025-44305		³ Reason for Filing Code/ Effective Date NW
⁵ Pool Name Sawyer (San Andres)	⁶ Pool Code N/A	⁷ Well Number 55480
⁸ Property Code 317633	⁹ Property Name Aikman Federal	

II. ¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
H	24	T9S	37E	NMP	1980	North	660	East	Lea

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	24	T9S	37E	NMP	1980	North	660	East	Lea
¹² Use Code F	¹³ Producing Method P	¹⁴ Gas Connection 3/28/2018	¹⁵ C-129 Permit Number N/A	¹⁶ C-129 Effective Date N/A	¹⁷ C-129 Expiration Date N/A				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/V
214984	Plains Marketing, L.P. PO Box 4648, Houston, TX 77210	O
24650	Targa Midstream Services, L.P. 1000 Louisiana, Suite 4700 Houston, TX 77002	G
36401	State Line Trucking, Inc. PO Box 66 Bledsoe, TX. 79314	W

IV. Well Completion Data

²¹ Spud Date 2/5/18	²² Ready Date 4/6/18	²³ TD 5223	²⁴ PBDT 5190	²⁵ Perforations 4930-5032	²⁶ DHC, MC NA
²⁷ Hole Size 12.25	²⁸ Casing & Tubing Size 8 5/8" 24"	²⁹ Depth Set 2325	³⁰ Sacks Cement 1188		
7.875	5 1/2 15.5"	5223	970		

V. Well Test Data

³¹ Date New Oil 4/6/2018	³² Gas Delivery Date 4/6/2018	³³ Test Date 4/8/2018	³⁴ Test Length 24	³⁵ Tbg. Pressure 400	³⁶ Csg. Pressure 40
³⁷ Choke Size NA	³⁸ Oil 52	³⁹ Water 180	⁴⁰ Gas 40	⁴¹ Test Method P	

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Joe D. Hardin*

Printed name: Joe D. Hardin

Title: President

E-mail Address: rawenergy@raw-energy.net

Date: 4/16/2018

Phone: 506-771-7766

OIL CONSERVATION DIVISION

Approved by:

Larene Sharp

Title:

Staff Mgr

Approval Date:

4-19-18

Authorized to transport contingent upon BLM approval of drilling and completion operations.

Form 3160-5
(September 2001)

APR 18 2018

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1 Type of Well ☒ Oil Well ☐ Gas Well ☐ Other
2 Name of Operator RAW Oil & Gas, Inc. (371846)
3a Address 1415 Buddy Holly Ave. Lubbock, TX 79401 3b Phone No. (include area code) (806) 771-7766
4 Location of Well (Footage, Sec. T. R. M. or Survey Description) Sec 24/T9S/R37E/NMP

FORM APPROVED
OMB No. 1004-0135
Expires: January 31, 2004

5 Lease Serial No. NHNM080255
6 If Indian, Allottee or Tribe Name
7 If Unit or CA/Agreement, Name and/or No.
8 Well Name and No. Aikman Federal 2
9 API Well No. 30-025-44305
10 Field and Pool, or Exploratory Area Sawyer (San Andres)
11 County or Parish, State Lea, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input checked="" type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13 Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Perforated San Andres formation (4930-5032). Acidized with 20,000 gallons 26% NEFETKI Acid. Started well on 4/6/18. Potential Test on 4/8/18. Well produced 52 BO, 40 MCF, and 180 BWPD. Well on insert rod pump (1.5").

14 I hereby certify that the foregoing is true and correct

Name (Printed Type) Joe D. Hardin Title President
Signature Joe D. Hardin Date 4/18/18

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____ Title _____ Date _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Office _____

Title 18 USC Section 1001 and Title 43 USC Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

Pending BLM approvals will subsequently be reviewed and scanned

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
ON 10/10/03
Expires January 31, 2004

5	Lease Serial No. NMNM1080255
6	If Indian, Allottee or Tribe Name
7	If Unit or CA/Agreement, Name and/or No
8	Well Name and No. Aikman Federal #2 (317673)
9	API Well No. 30-025-44305-55480
10	Field and Pool or Exploratory Area Sawyer/San Andres
11	County or Parish, State Lea County, NM

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1	Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other
2	Name of Operator RAW Oil & Gas, Inc. (371846)
3a	Address 1415 Buddy Holly, Lubbock, TX 79401
3b	Phone No. (include area code) 806-771-7766
4	Location of Well (Footage, Sec., T., R., M., or Survey Description) TR H, 1980 FNL/660 FEL Sec 24, T9S, R37E, NMP Lea County, NM LAT 32.521546 LONG 103.099543

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input checked="" type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input checked="" type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

The well was permitted to 5100'. TD was in the Sawyer/San Andres formation. We drilled the well to 5225'. We did so because we were still in our production interval at TD (~5100'). The well is currently TD'ed at 5225' in the San Andres formation. Our legal depth rights are to 5250'.

HOBBS OCD
APR 18 2018
RECEIVED

14	I hereby certify that the foregoing is true and correct Name (Printed Typed) Joe D. Hardin	Title President
	Signature Joe D. Hardin	Date 02/21/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

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subsequently be reviewed
and scanned

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires January 31, 2004

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Serial No. NM NM 1080255
2. Name of Operator RAW Oil & Gas, Inc.	6. If Indian, Allottee or Tribe Name
3a. Address 1415 Buddy Holly Lubbock, TX 79401	7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) (806) 771-7766	8. Well Name and No. Aikman Federal #2
4. Location of Well (Footage Sec., T., R., M. or Survey Description) TRH 1980 FNL/1660 FEL Sec 24, T9S, R37E, NMP Lea County. LAT 32.521546 LONG 103.099543	9. API Well No. 30-025-44305-55480
	10. Field and Pool, or Exploratory Area Sawyer/San Andres
	11. County or Parish, State Lea County NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other spud, drilling, casing.
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work, and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

See attached detail:

14. I hereby certify that the foregoing is true and correct. Name (Printed Typed)		Title President
Signature <i>[Signature]</i>		Date 4-19-18
THIS SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		
Office		
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.		
(Instructions on page 2)		

Pending BLM approvals will
subsequently be reviewed
and scanned

2/3/2018 Notified Pat McKelvey w/BLM of Intent to **Spud Well @ 11:00 am**. Drilling formation F/40' T/140' RPM 110, WOB 15K, PP 220 PSI w/115 SPM, WLS @ 98', 0.75 degrees. Continue DRLG. Depth 698'. Footage 649'. **Conductor** 1 joint, 40' OD 16.

2/7/2018 Drilling formation F/2363' WOB 30K, RPM 100, PP 900, w/ 117 SPM. RU Casing Crew, **Surface** run 56 joints 32#, STC 8-5/8 **PT casing 960# for 30 min – ok**. Surface casing, total pipe 2366.85 Set @ 2366'. Weight 32, J-55 STC.

2/10/2018 Drilling formation F/2505' T/2791' WOB 4K, RPM 90, PP 900 PSI, w/ 110 spm. Depth 3615'. Footage 1110'.

2/12/2018 TD @ 11:00 PM 2011/2018 SPR @ 5100' 412 PSI, w/64 SPM. BOP Drill @ 4788'.

2/15/2018 Circulate casing, RU Halliburton T/Cement. Depth 5224' RU Casing Crew, run 124 joints, 5-1/2", 15.50 #, LTC, **PT casing 1300 # for 30 min – ok**. **Production** Casing, Total Pipe 5227'. Pipe set @ 5223'.

2/16/2018 Cement w/ 750 sx Lead, 220 sx Tail, 123 bbls. displacement, plug down @ 9:22 am 2/16/2018. Set slips w/60K Wt. Cut off 5-1/2" casing, install tubing head, test T/psi – OK. Jet pits, rig released.

Pending BLM approvals will subsequently be reviewed and scanned

28b Production - Interval C									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
			→						
Choke Size	Thg. Press Flwg SI	Csg. Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

28c Production - Interval D									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
			→						
Choke Size	Thg. Press Flwg SI	Csg. Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

29 Disposition of Gas (Solid, used for fuel, vented, etc.)

Sold to Targa

30 Summary of Porous Zones (Include Aquifers)

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries

31 Formation (Log) Markers

See Below

Formation	Top	Bottom	Descriptions, Contents, etc	Name	Top
					Meas. Depth
San Andres	4775	5223	Dolomite (No DST's or Cores)	Rustler	1640
				Salt	2420
				Yates	3060
				Grayburg	3940
				San Andres (Upper)	4775
				San Andres (Lower)	4990

32 Additional remarks (include plugging procedure)

33 Indicate which items have been attached by placing a check in the appropriate boxes

- ☒ Electrical/Mechanical Logs (I full set req'd)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
 ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other

34 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Joe D. Hardin Title President
 Signature [Signature] Date 4/16/18

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

(Continued on page 3)

(Form 3160-4, page 2)

INCLINATION REPORT

30-025-44305

HOBBS OGD

APR 18 2018

RECEIVED

OPERATOR Raw Oil & Gas, Inc.	WELL NAME Aikman Federal #2
ADDRESS 1415 Buddy Holly Avenue Lubbock, TX 79401	COUNTY Lea Co, NM
LOCATION (Section, Block, and Survey) Sec 24, T-9-S, R-37-E	
CONTRACTOR NAME AND ADDRESS Norton Energy Drilling, 4514 Englewood Ave, Lubbock, TX 79414	

RECORD OF INCLINATION

Measured Depth (feet)	Course of Length (Hundreds of feet)	Angle of Inclination (Degrees)	Displacement per Hundred Feet (Sine of Angle X100)	Course Displacement (feet)	Accumulative Displacement (feet)
98	0.98	0.75	1.31	1.28	1.28
288	1.90	0.75	1.31	2.49	3.77
431	1.43	0.75	1.31	1.87	5.64
647	2.18	1.00	1.75	3.77	9.41
889	2.22	0.25	0.44	0.97	10.38
1,058	1.89	0.50	0.87	1.65	12.03
1,247	1.89	0.50	0.87	1.65	13.68
1,470	2.23	0.50	0.87	1.95	15.62
1,756	2.86	0.75	1.31	3.74	19.37
1,978	2.22	0.75	1.31	2.91	22.27
2,169	1.91	1.00	1.75	3.33	25.61
2,325	1.56	1.25	2.18	3.40	29.01
2,388	0.43	1.50	2.62	1.13	30.14
2,463	0.95	1.25	2.18	2.07	32.21
2,590	1.27	1.75	3.05	3.88	36.09
2,654	0.64	1.75	3.05	1.95	38.04
2,685	0.31	1.25	2.18	0.66	38.72
2,883	1.98	1.25	2.18	4.32	43.04
3,035	1.52	1.50	2.62	3.98	47.02
3,085	0.60	1.00	1.75	1.05	48.08
3,351	2.56	1.25	2.18	5.58	53.65
3,605	2.54	1.25	2.18	5.54	59.19
3,859	2.54	0.75	1.31	3.32	62.51
4,270	4.11	1.50	2.62	10.76	73.27
4,302	0.32	1.00	1.75	0.56	73.83
4,786	4.54	0.75	1.31	5.94	79.77
5,058	3.02	0.75	1.31	3.95	83.73
5,191	1.33	0.50	0.87	1.16	84.89

Accumulative total displacement of well bore at total depth of 5,191 feet = 84.89 feet.

I have personal knowledge of the inclination data and facts placed on this form and that such data and facts are true, correct, and complete to the best of my knowledge.

Signature of Authorized Representative: [Signature]

Name of Person and Title (type or print): John W. Norton - President

Name of Company: Norton Energy Drilling

Telephone: 806-785-8401

Sworn to and subscribed before me this 16th day of February, 2018

[Signature]

Notary Public in and for the State of Texas.

My commission expires: 6-28-2020 (seal)

