

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018**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.*5. Lease Serial No.  
NMNM51005

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on page 2**7. If Unit or CA/Agreement, Name and/or No.  
NMNM134509

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other: COAL BED METHANE8. Well Name and No.  
HELSINKI COM 91

2. Name of Operator

DUGAN PRODUCTION CORPORATION

Contact: ALIPH REENA

Email: aliph.reena@duganproduction.com

9. API Well No.  
30-045-35686-00-X1

3a. Address

709 E MURRAY DRIVE  
FARMINGTON, NM 87499

3b. Phone No. (include area code)

Ph: 505-325-1821

10. Field and Pool or Exploratory Area  
BASIN FRUITLAND COAL

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 9 T23N R10W SWSE 1100FSL 1650FEL  
36.237020 N Lat, 107.897810 W Lon

11. County or Parish, State

SAN JUAN COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<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
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Drilling Operations
	<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 recompletable 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 must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletable in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

Drill to TD @ 1085' on 6/29/17. Run 5-1/2" 15.5# J-55 ST&C casing in 7-7/8" hole. Land @ 1072.80', float collar @ 1030.70'. Cement w/120 sks, 234 cu ft Halliburton Halcem cement blend (12.4#/gal, 1.95 cu ft/sk, 10.07 gals/sk mix water) as lead cement followed by 100 sks (138 cu ft) Class G w/50-50 cement blend 37% poz, 1% bwoc bentonite, 5#/sk Kol-seal, 0.125 lb/sk Pol-E-Flake, 0.1% bwoc CFR3 and 2% CaCl2 as tail (13.5#/gal, 1.38 cu ft/sk, 5.85 gals/sk mix water). Total cement volume: 372 cu ft, 66 bbls. Displaced w/24.5 bbls water. Circulated 20 bbls cement to surface. D&D Rig released 6/29/17. Pressure test will be reported on completion sundry. ✓

OIL CONS. DIV DIST. 3

JUL 14 2017

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #380914 verified by the BLM Well Information System  
For DUGAN PRODUCTION CORPORATION, sent to the Farmington  
Committed to AFMSS for processing by JACK SAVAGE on 07/12/2017 (17JWS0132SE)

Name (Printed/Typed) ALIPH REENA

Title AGENT, ENGINEERING SUPERVISOR

Signature (Electronic Submission)

Date 07/10/2017

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By

ACCEPTED

JACK SAVAGE  
Title PETROLEUM ENGINEER

Date 07/12/2017

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 Farmington

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)

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

NMOCDAV

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## 1.0 Real-Time Job Summary

### 1.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	PS Pump Press (psi)	PS Pump Rate (bbl/min)	DH Density (ppg)	Pump Stg Tot (bbl)	Comments
Event	1	Call Out	Call Out	6/29/2017	08:00:00	USER					REQUESTED ON LOCATION TIME 1400
Event	2	Pre-Convoy Safety Meeting	Pre-Convoy Safety Meeting	6/29/2017	11:50:00	USER					WITH HES, JSA COMPLETED, 1 F-450, 1 RED TIGER CEMENTING UNIT, 1 660 BULK TRUCK
Event	3	Arrive At Loc	Arrive At Loc	6/29/2017	13:30:00	USER					RIG RUNNING CASING UPON HES ARRIVAL
Event	4	Assessment Of Location Safety Meeting	Assessment Of Location Safety Meeting	6/29/2017	13:40:00	USER					WITH HES, JSA COMPLETED, SDS OFFERED FOR ALL HES MATERIALS
Event	5	Other	Other	6/29/2017	13:40:01	USER					WATER TEST: PH 7.1, CHLOR O, TEMP 78 DEG F
Event	6	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	6/29/2017	13:45:00	USER					WITH HES, JSA COMPLETED
Event	7	Rig-Up Equipment	Rig-Up Equipment	6/29/2017	14:00:00	USER					1 LINE RAN TO THE FLOOR, 1 LINE RAN TO THE PIT, MANIFOLD ON THE GROUND, 1 5.5 IN. QUICK-LATCH PLUG CONTAINER
Event	8	Other	Other	6/29/2017	14:00:01	USER					RIG CIRCULATION, 180 BBL, 3 BBL/MIN, 55 PSI, MWT 8.5 LB/GAL, GEL WATER, RAT HOLE LENGTH 12 FT, PIPE WAS STATIC
Event	9	Other	Other	6/29/2017	14:00:02	USER					TD 1085 FT, CSG 1072.80 FT 5.5 IN 15.5 LB/FT J-55, HOLE 7.875 IN, SURFACE SET AT 126 FT, 8.625 IN 24 LB/FT J-55, SHOE 42.10 FT

iCem® Service

(v. 4.2.393)

Created: Thursday, June 29, 2017

Event	10	Pre-Job Safety Meeting	Pre-Job Safety Meeting	6/29/2017	14:45:00	USER					WITH HES, DUGAN, AND D&D 1
Event	11	Start Job	Start Job	6/29/2017	15:11:37	COM4	30.00	0.00	8.19	4.9	
Event	12	Prime Pumps	Fill Lines	6/29/2017	15:13:54	USER	16.00	2.00	7.89	0.7	FRESH WATER, RETURNS AT 1 BBL AWAY
Event	13	Test Lines	Test Lines	6/29/2017	15:17:45	USER	3727.00	0.00	8.03	2.1	LOW TEST AT 1900 PSI, HIGH TEST AT 3727 PSI, PRESSURE HOLDING
Event	14	Pump Spacer 1	Pump Fresh Water Spacer	6/29/2017	15:25:01	USER	46.00	4.10	7.88	1.2	20 BBL FRESH WATER
Event	15	Pump Lead Cement	Pump Lead Cement	6/29/2017	15:30:08	USER	59.00	4.10	12.40	1.3	MIXED AT 12.4 LB/GAL, 120 SKS, 1.95 FT3/SK, 10.07 GAL/SK, DENSITY VERIFIED USING PRESSURIZED MUD SCALES
Event	16	Check Weight	Check weight	6/29/2017	15:30:47	COM4	46.00	4.10	12.40	4.0	DENSITY VERIFIED USING PRESSURIZED MUD SCALES
Event	17	Check Weight	Check weight	6/29/2017	15:40:33	COM4	42.00	4.10	12.40	1.1	DENSITY VERIFIED USING PRESSURIZED MUD SCALES
Event	18	Pump Tail Cement	Pump Tail Cement	6/29/2017	15:41:02	USER	47.00	4.10	13.50	3.0	MIXED AT 13.5 LB/GAL, 100 SKS, 1.38 FT3/SK, 5.85 GAL/SK, DENSITY VERIFIED USING PRESSURIZED MUD SCALES
Event	19	Shutdown	Shutdown	6/29/2017	15:48:12	USER	50.00	0.00	13.65	32.2	
Event	20	Clean Lines	Clean Lines	6/29/2017	15:48:56	USER	70.00	4.50	13.46	32.9	WASHED PUMPS AND LINES TO THE RESERVE PIT
Event	21	Drop Top Plug	Drop Top Plug	6/29/2017	15:50:25	USER	9.00	0.00	8.84	3.6	PLUG LAUNCHED, CUSTOMER WITNESSED
Event	22	Pump Displacement	Pump Displacement	6/29/2017	15:51:37	USER	110.00	4.10	7.94	1.6	FRESH WATER
Event	23	Slow Rate	Slow Rate	6/29/2017	15:56:39	USER	331.00	2.00	8.36	21.6	SLOWED TO 2 BBL/MIN AT 20 BBL AWAY
Event	24	Bump Plug	Bump Plug	6/29/2017	15:58:41	USER	374.00	2.00	8.37	25.6	PLUG BUMPED AT

											CALCULATED DISPLACEMENT, 370 PSI
Event	25	Check Floats	Check Floats	6/29/2017	16:00:24	USER	1157.00	0.00	8.41	26.0	FLOATS HOLDING, .25 BBL RETURNED TO THE TRUCK
Event	26	End Job	End Job	6/29/2017	16:01:14	USER	7.00	0.00	8.40	0.0	NO ADD HOURS, RIG DID NOT USE SUGAR, RIG SUPPLIED TOP PLUG
Event	27	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	6/29/2017	16:05:00	USER	3.00	0.00	0.43	0.0	WITH HES, JSA COMPLETED
Event	28	Rig Down Lines	Rig Down Lines	6/29/2017	16:10:00	USER	32.00	4.10	6.45	11.8	
Event	29	Pre-Convoy Safety Meeting	Pre-Convoy Safety Meeting	6/29/2017	16:50:00	USER					WITH HES, JSA COMPLETED
Event	30	Other	Other	6/29/2017	16:50:01	USER					FRESH WATER SPACER 20 BBL, LEAD CEMENT 41.7 BBL, TAIL CEMENT 24.6 BBL, FINAL DISPLACEMENT 25 BBL, 20 BBL CEMENT CIRCULATED TO SURFACE
Event	31	Crew Leave Location	Crew Leave Location	6/29/2017	17:00:00	USER					THANKS FOR USING HALLIBURTON, JOHN KEANE AND CREW

## 2.0 Attachments

### 2.1 HELSINKI COM-91 -Custom Results.png

