

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM 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.  
NOOC14205825

6. If Indian, Allottee or Tribe Name  
EASTERN NAVAJO

7. If Unit or CA/Agreement, Name and/or No.  
NMNM112674

8. Well Name and No.  
JIM THORPE COM 90

9. API Well No.  
30-045-35684-00-X1

10. Field and Pool or Exploratory Area  
BASIN FRUITLAND COAL

11. County or Parish, State  
SAN JUAN COUNTY, NM

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well  
 Oil Well  Gas Well  Other: COAL BED METHANE

2. Name of Operator  
DUGAN PRODUCTION CORPORATION  
Contact: ALIPH REENA  
Email: aliph.reena@duganproduction.com

3a. Address  
FARMINGTON, NM 874990420  
3b. Phone No. (include area code)  
Ph: 505-325-1821

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 3 T23N R10W SWNE 1459FNL 1467FEL  
36.258990 N Lat, 107.879740 W Lon

**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 Drilling Operations
	<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 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 must 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 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 @ 1296' on 7/21/17. Run 5-1/2" 15.5# J-55 ST&C casing in 7-7/8" hole. Land @ 1281' float collar @ 1239'. Cement w/165 sks, 322 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#/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: 460 cu ft, 82 bbls. Displaced w/29.5 bbls water. Circulated 30 bbls cement to surface. D&D Rig #1 released 6/21/17. Pressure test will be reported on completion sundry. ✓

OIL CONS. DIV DIST. 3  
AUG 10 2017

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

**Electronic Submission #383268 verified by the BLM Well Information System  
For DUGAN PRODUCTION CORPORATION, sent to the Farmington  
Committed to AFMSS for processing by JACK SAVAGE on 08/04/2017 (17JWS0213SE)**

Name (Printed/Typed) ALIPH REENA	Title PRODUCTION ENGINEER
Signature (Electronic Submission)	Date 07/31/2017

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

Approved By <b>ACCEPTED</b>	JACK SAVAGE Title PETROLEUM ENGINEER	Date 08/04/2017
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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 \*\***

NMOCD AV

OIL CONS. DIV DIST. 3

AUG 10 2017

# HALLIBURTON

iCem® Service

**DUGAN PRODUCTION CORP EBUS**

**For: MARTY FOUTZ**

Date: Friday, July 21, 2017

**JIM THORPE COM 90**

JIM THORPE COM 90

DUGAN

Job Date: Friday, July 21, 2017

Sincerely,

**LEMONT JOJOLA**

## Legal Notice

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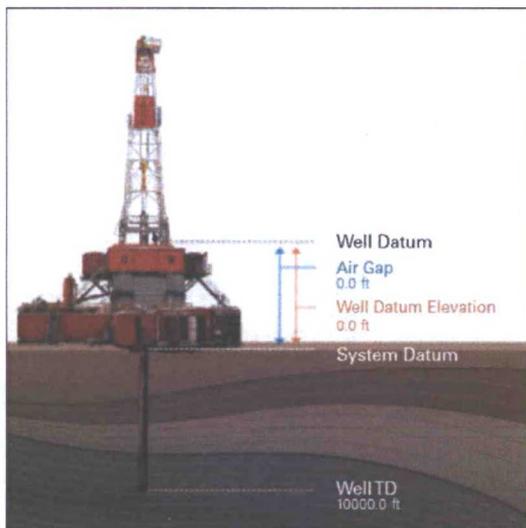
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## 1.0 Job Design

### 1.1 Overview

<b>Job Type</b>	Primary Cement Job
<b>Injection Path</b>	Casing/Conventional
<b>Foam Job</b>	No

#### Well Snapshot



#### Simulations Performed

### 1.2 Pump Schedule

Description	Stage No.	Density (ppg)	Rate (bbl/min)	Yield (ft <sup>3</sup> /sack)	Water Req. (gal/sack)	Volume (bbl)	Bulk Cement (sacks)	Duration (min)
Spud Mud	1	8.50	5.00			0.00		0.00
Fresh Water	2	8.33	3.00			20.00		6.67
Hal Lite CC/ Kol	3	12.40	3.00	1.9468	10.069	57.21	165.00	19.07
Shallow 13.5 Prod 2378810	4-1	13.50	3.00	1.3666	5.687	24.34	100.00	8.11
Shutdown	4-2			1.3666	5.687		0.00	5.00
Top Plug/Start Displacement								
Fresh Water	5	8.33	3.00			28.97		9.66
<b>Total:</b>						<b>123.59</b>		<b>48.60</b>

\*Pump schedule may include additional rows for displacement if "Automatic Rate Adjustment" was enabled and ECDs approached the fracture gradient.

## 2.0 Real-Time Job Summary

### 2.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	Pass-Side Pump Pressure (psi)	Downhole Density (ppg)	Pass-Side Pump Rate (bbl/min)	PS Pmp Stg Tot (bbl)	Comments
Event	1	Call Out	Call Out	7/21/2017	08:00:00	USER					CEMENT CREW CALLED OUT
Event	2	Depart Yard Safety Meeting	Depart Yard Safety Meeting	7/21/2017	10:20:00	USER					SAFETY MEETING HELD WITH CEMENT CREW
Event	3	Depart Home for Location	Depart Home for Location	7/21/2017	10:30:00	USER					1-PICKUP 11583927, 1- RED TIGER 12638114, 1- BULK TRUCKS 10897805 - 10025104
Event	4	Arrive At Loc	Arrive At Loc	7/21/2017	12:00:00	USER					CEMENT CREW ARRIVES ON LOCATION
Event	5	Comment	Comment	7/21/2017	12:10:00	USER					RIGCREW IS RUNNING IN WITH LAST JOINT OF DRILL PIPE
Event	6	Other	Other	7/21/2017	12:20:00	USER					TD = 1296 FT, TP = 5 1/2: 15.5# SET @ 1281 FT, SJ = 42 FT, OH = 7 7/8", SURFACE = 8 5/8" 24# SET @ 126 FT
Event	7	Other	Other	7/21/2017	12:30:00	USER					TEMPERATURE = 62 DEGREES, CHLORIDES = 0, PH = 7
Event	8	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	7/21/2017	17:30:00	USER					SAFETY MEETING HELD WITH CEMENT CREW
Event	9	Rig-Up Equipment	Rig-Up Equipment	7/21/2017	17:40:00	USER					CEMENT CREW RIGS UP EQUIPMENT
Event	10	Pre-Job Safety Meeting	Pre-Job Safety Meeting	7/21/2017	18:10:34	USER	16.00	0.00	0.00	0.0	SAFETY MEETING HELD WITH EVERYONE ON LOCATION

Event	11	Start Job	Start Job	7/21/2017	18:29:40	COM5					CHECK WEIGHT = 12.4#
Event	12	Pressure Test	Pressure Test	7/21/2017	18:44:29	USER	3685.00	8.40	0.00	0.0	PRESSURE TEST GOOD TO 3400 PSI
Event	13	Pump Spacer 1	Pump Spacer 1	7/21/2017	18:53:36	USER	30.00	8.31	0.00	0.0	PUMPED 10 BBLS H2O
Event	14	Pump Lead Cement	Pump Lead Cement	7/21/2017	18:57:31	USER	64.00	9.12	3.00	11.0	165 SKS 1.95 CUFT/SK 10.07 GAL/SK = 57.3 BBLS @ 12.4# 39.6 BBLS H2O REQ
Event	15	Pump Tail Cement	Pump Tail Cement	7/21/2017	19:17:08	USER	39.00	13.27	3.50	1.3	100 SKS 1.38 CUFT/SK 5.85 GAL/SK = 24.6 BBLS @ 13.5# 13.9 BBLS H2O REQ
Event	16	Check Weight	Check weight	7/21/2017	19:18:53	COM5					CHECK WEIGHT = 13.5#
Event	17	Cement Returns to Surface	Cement Returns to Surface	7/21/2017	19:27:20	USER	69.00	13.49	3.50	36.6	CALCULATED 41 BBLS OF CEMENT BACK TO SURFACE, ACTUALLY CIRCULATED 30 BBLS OF CEMENT BACK TO SURFACE
Event	18	Shutdown	Shutdown	7/21/2017	19:27:32	USER	69.00	13.47	3.50	37.2	SHUTDOWN DROP PLUG
Event	19	Clean Lines	Clean Lines	7/21/2017	19:28:24	USER	36.00	13.53	0.40	0.0	WASH PUMPS AND LINES
Event	20	Pump Displacement	Pump Displacement	7/21/2017	19:31:19	USER	21.00	7.47	1.20	0.3	CALCULATED 29.5 BBLS TO DISPLACE CEMENT, ACTUALLY PUMPED 30.5 BBLS TANK TO TANK MARK TO MARK
Event	21	Bump Plug	Bump Plug	7/21/2017	19:42:03	USER	455.00	7.43	2.40	36.5	CALCULATED 303 PSI TO LAND PLUG, PLUG BUMPED @ 494 PSI PRESSURED UP TO 1100 PSI
Event	22	Check Floats	Check Floats	7/21/2017	19:43:37	USER	51.00	7.41	0.00	36.6	CHECK FLOATS, FLOATS HELD .5 BBLS BACK
Event	23	Shutdown	Shutdown	7/21/2017	19:44:31	USER	23.00	7.41	0.00	36.6	SHUTDOWN END JOB, THANK YOU FOR CHOOSING HALLIBURTON LEMONT JOJOLA AND CREW

Event	24	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	7/21/2017	19:50:00	USER	22.00	-0.85	0.00	36.6	SAFETY MEETING HELD WITH CEMENT CREW
Event	25	Rig-Down Equipment	Rig-Down Equipment	7/21/2017	19:55:00	USER					CEMENT CREW RIGS DOWN EQUIPMENT
Event	26	Depart Location Safety Meeting	Depart Location Safety Meeting	7/21/2017	20:10:00	USER					SAFETY MEETING HELD WITH CEMENT CREW
Event	27	Depart Location for Home	Depart Location for Home	7/21/2017	20:20:00	USER					CEMENT CREW DEPARTS LOCATION

3.0 Attachments

3.1 DUGAN JIM THORPE COM 90 PRODUCTION-Custom Results.png

