

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.
NMNM36951

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 27. 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 902. Name of Operator
DUGAN PRODUCTION CORPORATIONContact: ALIPH REENA
Email: aliph.reena@duganproduction.com9. API Well No.
30-045-35685-00-X13a. Address
709 E MURRAY DRIVE
FARMINGTON, NM 874993b. Phone No. (include area code)
Ph: 505-325-182110. 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 SESW 1100FSL 1400FWL
36.237010 N Lat, 107.905950 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 6/22/17. Run 5-1/2" 15.5# J-55 ST&C casing. Set @ 1072' float collar @ 1030'. Cement w/120 sks, 234 cu ft, Halliburton HalCem cement blend 912.4#/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 lb/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 31 bbls cement to surface. D&D Rig released 6/23/17. 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 #380084 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 (17JWS0127SE)

Name (Printed/Typed) ALIPH REENA

Title AGENT, ENGINEERING SUPERVISOR

Signature (Electronic Submission)

Date 06/28/2017

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 **

The Road to Excellence Starts with Safety

Sold To #: 301906	Ship To #: 3721465	Quote #:	Sales Order #: 0904119492
Customer: DUGAN PRODUCTION CORP-EBUS		Customer Rep: MARTY FOUTZ	
Well Name: HELSINKI COM	Well #: 90	API/UWI #: 30-045-35685-00	
Field: BASIN	City (SAP): FARMINGTON	County/Parish: SAN JUAN	State: NEW MEXICO
Legal Description: 9-23N-10W-1100FSL-1400FWL			
Contractor:		Rig/Platform Name/Num: D&D 1	
Job BOM: 7523 7523			
Well Type: COAL DE-GAS			
Sales Person: HALAMERICA\HAM2616		Srv Supervisor: Lemont Jojola	

Job

Formation Name			
Formation Depth (MD)	Top		Bottom
Form Type			BHST
Job depth MD	1050ft		Job Depth TVD
Water Depth			Wk Ht Above Floor
Perforation Depth (MD)	From		To

Well Data

Description	New / Used	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Casing		8.625	8.097	24	STC	J-55	0	126		
Casing		5.5	4.95	15.5	LTC	J-55	0	1085		
Open Hole Section			7.875				126	1085		

Tools and Accessories

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe	5.5			1085	Top Plug	5.5		HES
Float Shoe	5.5				Bottom Plug	5.5		HES
Float Collar	5.5				SSR plug set	5.5		HES
Insert Float	5.5				Plug Container	5.5	1	HES
Stage Tool	5.5				Centralizers	5.5		HES

Fluid Data

Stage/Plug #: 1

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
1	Fresh Water Spacer	Fresh Water Spacer	10	bbl	8.33				

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
2	Lead Cement	HALCEM (TM) SYSTEM	120	sack	12.4	1.95		3	10.07
		10.07 Gal	FRESH WATER						

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal																																																												
3	Tail Cement	Premium Cement	100	sack	13.5	1.38		3	5.85																																																												
5 lbm		KOL-SEAL, 50 LB BAG (100064232)																																																																			
35 lbm		POZMIX A (BULK) FLYASH - SAN JUAN (101711785)																																																																			
2 %		BENTONITE, BULK (100003682)																																																																			
2 %		CALCIUM CHLORIDE, PELLET, 50 LB (101509387)																																																																			
0.30 %		HALAD(R)-567, 50 LB BAG (101201428)																																																																			
0.1250 lbm		POLY-E-FLAKE (101216940)																																																																			
5.85 Gal		FRESH WATER																																																																			
47 lbm		CMT - PREMIUM - CLASS G REG OR TYPE V, BULK (100003685)																																																																			
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal																																																												
4	Displacement	Displacement	24.5	bbl	8.33																																																																
<table border="1"> <tr> <td>Cement Left In Pipe</td><td>Amount</td><td>ft</td><td colspan="4">Reason</td><td colspan="3" rowspan="6">Shoe Joint</td></tr> <tr> <td>Mix Water: pH ##</td><td colspan="4">Mix Water Chloride: ## ppm</td><td colspan="5">Mix Water Temperature: ## °F °C</td></tr> <tr> <td>Cement Temperature: ## °F °C</td><td colspan="4">Plug Displaced by: ## lb/gal kg/m³ XXXX</td><td colspan="5">Disp. Temperature: ## °F °C</td></tr> <tr> <td>Plug Bumped? Yes/No</td><td colspan="4">Bump Pressure: ##### psi MPa</td><td colspan="5">Floats Held? Yes/No</td></tr> <tr> <td>Cement Returns: ## bbl m³</td><td colspan="4" rowspan="2">Returns Density: ## lb/gal kg/m³</td><td colspan="5" rowspan="2">Returns Temperature: ## °F °C</td></tr> <tr> <td colspan="10">Comment</td></tr> </table>										Cement Left In Pipe	Amount	ft	Reason				Shoe Joint			Mix Water: pH ##	Mix Water Chloride: ## ppm				Mix Water Temperature: ## °F °C					Cement Temperature: ## °F °C	Plug Displaced by: ## lb/gal kg/m ³ XXXX				Disp. Temperature: ## °F °C					Plug Bumped? Yes/No	Bump Pressure: ##### psi MPa				Floats Held? Yes/No					Cement Returns: ## bbl m ³	Returns Density: ## lb/gal kg/m ³				Returns Temperature: ## °F °C					Comment									
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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	6/22/2017	08:00:00	USER					CEMENT CREW CALLED OUT
Event	2	Depart Yard Safety Meeting	Depart Yard Safety Meeting	6/22/2017	11:00:00	USER					SAFETY MEETING HELD WITH CEMENT CREW
Event	3	Depart Home for Location	Depart Home for Location	6/22/2017	11:10:00	USER					1-PICKUP 11583927, 1- RED TIGER 12638114, 1- BULK TRUCKS 10844563 - 10025031
Event	4	Arrive At Loc	Arrive At Loc	6/22/2017	13:00:00	USER					CEMENT CREW ARRIVES ON LOCATION
Event	5	Other	TUBULARS	6/22/2017	13:10:00	USER					TD = 1085 FT, TP = 5 1/2" 15.5# SET @ 1072 FT, SJ = 42 FT, OH = 7 7/8", SURFACE = 8 5/8" 24# SET @ 126 FT
Event	6	Other	WATER TEST	6/22/2017	13:20:00	USER					TEMPERATURE = 60 DEGREES, CHLORIDES = 0, PH = 7
Event	7	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	6/22/2017	15:30:00	USER					SAFETY MEETING HELD WITH CEMENT CREW
Event	8	Rig-Up Equipment	Rig-Up Equipment	6/22/2017	15:40:00	USER					CEMENT CREW RIGS UP EQUIPMENT
Event	9	Pre-Job Safety Meeting	Pre-Job Safety Meeting	6/22/2017	16:20:00	USER	19.00	8.53	0.00	0.0	SAFETY MEETING HELD WITH EVERYONE ON LOCATION
Event	10	Start Job	Start Job	6/22/2017	16:25:34	COM5					
Event	11	Pressure Test	Pressure Test	6/22/2017	16:33:38	USER	336.00	8.36	0.00	1.2	PRESSURE TEST GOOD TO 26.57 PSI

iCem® Service

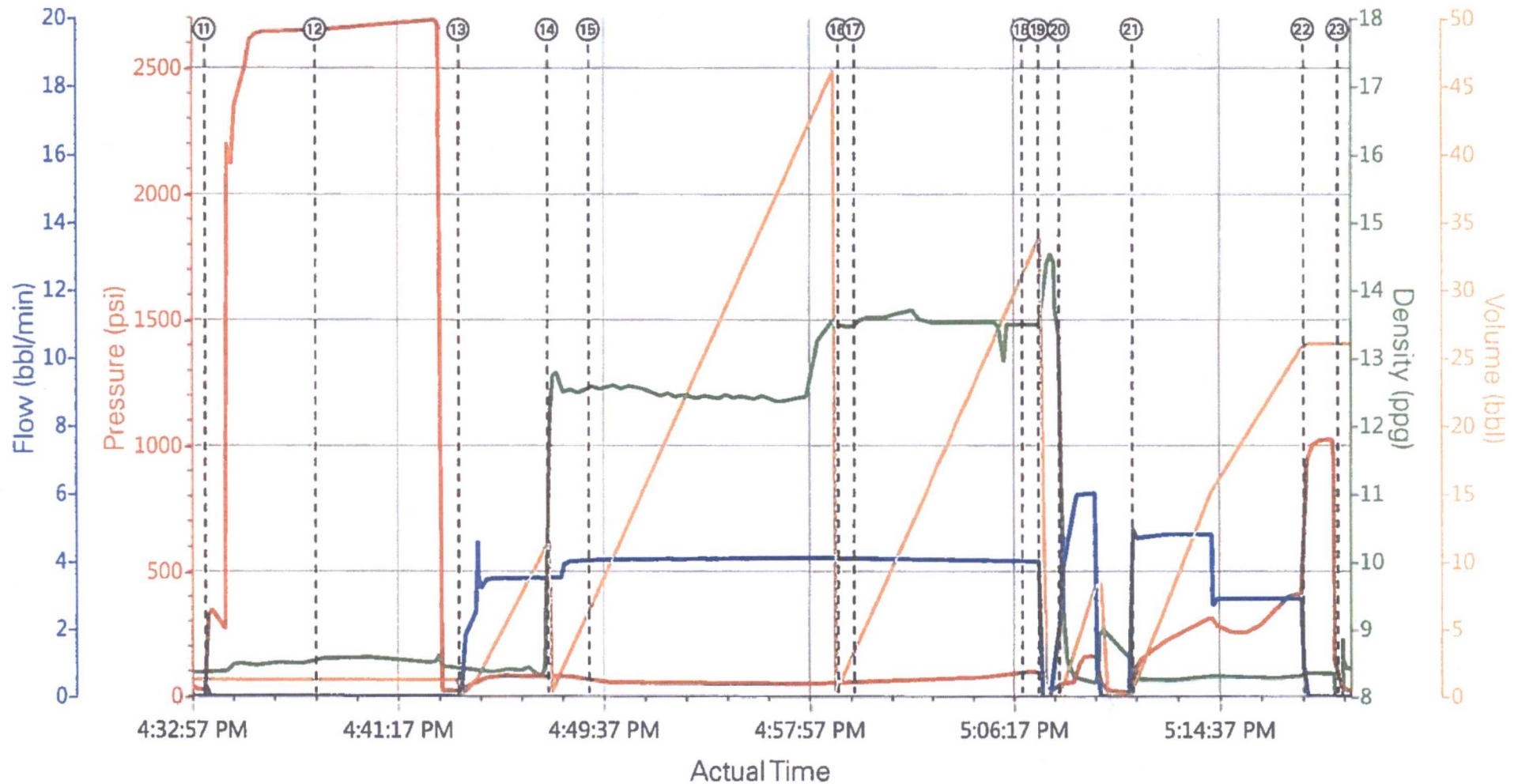
(v. 4.2.393)

Created: Thursday, June 22, 2017

Event	12	Check Weight	Check weight	6/22/2017	16:38:06	COM5	2653.00	8.56	0.00	1.2	CHECK CEMENT WEIGHT = 12.4#
Event	13	Pump Spacer	Pump Spacer	6/22/2017	16:43:54	USER	23.00	8.41	1.10	0.0	PUMPED 10 BBLS H2O
Event	14	Pump Lead Cement	Pump Lead Cement	6/22/2017	16:47:30	USER	74.00	12.45	3.50	0.2	120 SKS 1.95 CUFT/SK 10.07 GAL/SK = 41.7 BBLS @ 12.4# 28.8 BBLS H2O REQ
Event	15	Check Weight	Check weight	6/22/2017	16:49:10	COM5	63.00	12.59	4.00	6.6	CHECK CEMENT WEIGHT = 12.4#
Event	16	Pump Tail Cement	Pump Tail Cement	6/22/2017	16:59:15	USER	57.00	13.50	4.10	1.2	100 SKS 1.38 CUFT/SK 5.85 GAL/SK = 24.6 BBLS @ 13.5# 13.9 BBLS H2O REQ
Event	17	Check Weight	Check weight	6/22/2017	16:59:54	COM5	55.00	13.52	4.10	3.8	CHECK CEMENT WEIGHT = 13.5#
Event	18	Cement Returns to Surface	Cement Returns to Surface	6/22/2017	17:06:47	USER	97.00	13.48	4.00	31.7	CALCULATED 31 BBLS OF CEMENT BACK TO SURFACE, ACTUALLY CIRCULATED 30 BBLS OF CEMENT BACK TO SURFACE
Event	19	Shutdown	Shutdown	6/22/2017	17:07:27	USER	69.00	13.67	0.00	34.0	SHUTDOWN DROP PLUG
Event	20	Clean Lines	Clean Lines	6/22/2017	17:08:18	USER	51.00	9.77	4.10	0.6	WASH PUMPS AND LINES
Event	21	Pump Displacement	Pump Displacement	6/22/2017	17:11:17	USER	108.00	8.28	4.70	0.8	CALCULATED 24.5 BBLS TO DISPLACE CEMENT, ACTUALLY PUMPED 25 BBLS TANK TO TANK MARK TO MARK
Event	22	Bump Plug	Bump Plug	6/22/2017	17:18:08	USER	934.00	8.35	0.00	26.0	CALCULATED 260 PSI TO LAND PLUG, PLUG BUMPED @ 460 PSI PRESSURED UP TO 1000 PSI
Event	23	Check Floats	Check Floats	6/22/2017	17:19:31	USER	43.00	-0.26	0.00	26.0	CHECK FLOATS, FLOATS HELD .25 BBLS BACK
Event	24	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	6/22/2017	17:22:03	USER					SAFETY MEETING HELD WITH CEMENT CREW

Event	25	Rig-Down Equipment	Rig-Down Equipment	6/22/2017	17:23:47	USER	CEMENT CREW RIGS DOWN EQUIPMENT
Event	26	Depart Location Safety Meeting	Depart Location Safety Meeting	6/22/2017	17:45:00	USER	SAFETY MEETING HELD WITH CEMENT CREW
Event	27	Depart Location for Home	Depart Location for Home	6/22/2017	18:00:00	USER	CEMENT CREW DEPARTS LOCATION

DUGAN HELSINKI COM 90, PRODUCTION



PS Pump Press (psi) DH Density (ppg) PS Pump Rate (bbl/min) PS Pmp Stg Tot (bbl)

- | | | | | | |
|------------------------------|-----------------------------|--------------------|-----------------------------|--------------------------------|-----------------------------------|
| ① Call Out | ⑥ WATERTEST | ⑪ Pressure Test | ⑮ Pump Tail Cement | 21 Pump Displacement | 26 Depart Location Safety Meeting |
| ② Depart Yard Safety Meeting | ⑦ Pre-Rig Up Safety Meeting | ⑫ Check weight | ⑯ Check weight | 22 Bump Plug | 27 Depart Location for Home |
| ③ Depart Home for Location | ⑧ Rig-Up Equipment | ⑬ Pump Spacer | ⑰ Cement Returns to Surface | 23 Check Floats | |
| ④ Arrive At Loc | ⑨ Pre-Job Safety Meeting | ⑭ Pump Lead Cement | ⑱ Shutdown | 24 Pre-Rig Down Safety Meeting | |
| ⑤ TUBULARS | ⑫ Start Job | ⑰ Check weight | 20 Clean Lines | 25 Rig-Down Equipment | |

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Created: 2017-06-22 08:11:58, Version: 4.2.393

Edit

Customer: DUGAN PRODUCTION CORP EBUS
Representative: LEMONT JOJOLA / RJ 114

Job Date: 6/22/2017 4:14:11 PM
Sales Order #: 904119492

Well: HELSINKI COM 90
COMPANY MAN: MARTY FOUTZ