

District I - (505) 393-6161
1625 N. French Dr
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

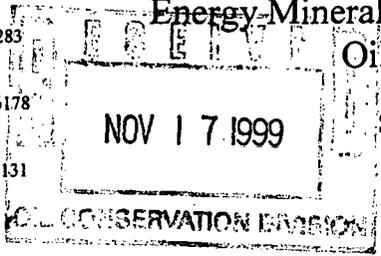
New Mexico

Energy Minerals and Natural Resources Department

Oil Conservation Division

2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

SUBMIT ORIGINAL
PLUS 2 COPIES
TO THE SANTA FE
OFFICE



APPLICATION FOR NEW WELL STATUS

I. Operator and Well

Operator name & address Dugan Production Corp. P. O. Box 420, Farmington, NM 87499-0420							OGRID Number 006515		
Contact Party John Alexander							Phone (505) 325-1821		
Property Name El Nino					Well Number 6E		API Number 30 045 29639		
UL J	Section 11	Township 26N	Range 9W	Feet From The 1850	North/South Line South	Feet From The 1850	East/West Line East	County San Juan	

II. Date/Time Information

Spud Date 7/28/99	Spud Time 1500 hrs	Date Completed 11/15/99	Pool Basin Dakota & Blanco Mesaverde
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- III. Attach copies of Form C-103 or Federal Form 3160-5 showing date/time of drilling commenced and Form C-105 or Federal Form 3160-4 showing well was completed as a producer.
- IV. Attach a list of all working interest owners with their percentage interests.
- V. AFFIDAVIT:

State of New Mexico)
County of San Juan) ss.
John Alexander, being first duly sworn, upon oath states:

1. I am the Operator, or authorized representative of the Operator, of the above-referenced well.
2. To the best of my knowledge, this application is complete and correct.

Signature John Alexander Title Vice-president Date November 15, 1999
SUBSCRIBED AND SWORN TO before me this 15th day of November, 1999.
Paul Cunningham
Notary Public
My Commission expires: 3/07/03

FOR OIL CONSERVATION DIVISION USE ONLY:

VI. CERTIFICATION OF APPROVAL:
This Application is hereby approved and the above-referenced well is designated a New Well. By copy hereof, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval.

Signature <u>Mark P. Speer</u>	Title <u>P.E. Speer</u>	Date <u>1-14-00</u>
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VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT: 1/14/00

NOTICE: The operator must notify all working interest owners of this New Well certification.

PV2V2007235255

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

RECEIVED
BLM

99 AUG 10 PM 1:23

SUBMIT IN TRIPLICATE

070 FARMINGTON, NM

5. Lease Designation and Serial No.
NM 012737

6. If Indian, Allotted or Tribe Name

1. Type of Well

Oil Well Gas Well Other

7. If Unit or CA, Agreement Designation

2. Name of Operator

Dugan Production Corp.

8. Well Name and No.
El Nino #6E

3. Address and Telephone No.

P.O. Box 420 , Farmington, NM 87499 (505) 325 - 1821

9. API Well No.
30 045 29639

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

**1850' FSL & 1850' FEL (NW/4 SE/4)
Unit J, Sec. 11, T26N, R9W, NMPM**

10. Field and Pool, or Exploratory Area
Basin Dakota

11. County or Parish, State
San Juan, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other <u>Spud, surface casing</u>	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Spud @ 1500 hrs 7/28/99. Set 8-5/8" 24# J-55 casing @ 330'. Cement with 342 cu. ft. Class "B" containing 3% CaCl2. Circulated 10 bbls cement to surface. Pressure test casing and BOP to 600 psi, held ok.

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

Signed John Alexander Title Vice-President Date 8/9/99

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

ACCEPTED FOR RECORD

AUG 13 1999

Title 18 U.S.C. Section 1001, makes 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.

*See Instruction on Reverse Side

FARMINGTON FIELD OFFICE
BY [Signature]

OPERATOR

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1. a. TYPE OF WELL: OIL WELL GAS WELL DRY OTHER
 b. TYPE OF COMPLETION: NEW Well WORK OVER DEEP-EN PLUG BACK DIFF. CENTR. OTHER

2. Name of Operator
Dugan Production Corp.

3. Address and Telephone No.
P.O. Box 420, Farmington, NM 87499 (505) 325 - 1821

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 1850' FSL & 1850' FEL (NW/4 SE/4)

At top prod. interval reported below same

At total depth same

5. LEASE DESIGNATION AND SERIAL NO.
NM 012737
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME, WELL NO.
El Niño #6E
9. API Well No.
30 045 29639
10. FIELD AND POOL, OR WILDCAT
Basin Dakota
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Unit J
Section 11, T26N, R9W
12. COUNTY OR PARISH
San Juan
13. STATE
NM

14. PERMIT NO. DATE ISSUED
15. DATE SPUNDED 7/28/99 16. DATE T.D. REACHED 8/8/99 17. DATE COMPL. (Ready to prod.) 11/15/1999 18. ELEVATIONS (OF, RKB, RT, GR, ETC.)* 6238' 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 6740' 21. PLUG BACK T.D., MD & TVD 6639' 22. IF MULTIPLE COMPL. HOW MANY* 2 23. INTERVALS DRILLED BY → ROTARY TOOLS TD CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* 6336' - 6567' (Basin Dakota - commingled with Blanco Mesaverde) 25. WAS DIRECTIONAL SURVEY MADE no

26. TYPE ELECTRIC AND OTHER LOGS RUN Electric & Density/Neutron open hole logs & GR/CLL 27. WAS WELL CORED no

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	330'	12-1/4"	342 cu. ft. class "B" w/3% CaCl2	
4-1/2"	10.5# & 11.6#	6740'	7-7/8"	See details on back	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SBT (MD)
					2-3/8"	6410'	NA

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6336' - 6567'	900 gals 15% HCL; 77,906 gals slickwater; 84,500# 20/40 sand

6336', 38', 40', 42', 44', 6433', 35', 37', 39', 48', 59', 6519', 24', 33', 47', 49', 51', 67' w/1 jspf (18 holes total)

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)	WELL STATUS (Producing or shut in)
11/15/99	capable of production	shut-in

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PRODN FOR TEST PERIOD	OIL - MCF.	GAS - MCF.	WATER - BBL.	GAS - OIL RATIO
11/15/99	24 hrs	1/4"	→				

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24 - HOUR RATE	OIL - BBL.	GAS - MCF.	WATER - BBL.	OIL GRAVITY - API (CORR.)
1500	1500	→				

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) vented - to be sold TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
 SIGNED John Alexander Title Vice-president Date 11/15/99

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof: cored intervals; and all drill-stem, tests, including depth interval tested on used, time tool open, flowing and shut-in pressures, and recoveries.)

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			<p>Drill to 6740' TD on 8/9/99. Ran Electric and Density/Neutron open hole logs. Ran 4-1/2" 11.6# J-55 and 10.5# J-55 casing. Land casing @ 6736'. Stage tools @ 4630' and 2115'. Cement 1st stage with 261 cu. ft. 65/35/8 containing 8# Gilsonite/sx and 1/4# celloflake/sx, follow with 280 cu. ft. class "H" containing 4% CD-32, .3% FL-52 and 1/4# celloflake/sx. Total cement volume stage 1 was 541 cu. ft. Cemented 2nd stage with 690 cu. ft. 65/35/8 containing 8# Gilsonite/sx and 1/4# celloflake/sx, followed by 70 cu. ft. class "C" containing 6-1/4# Gilsonite/sx and 1/4# celloflake/sx. Total cement volume stage 2 was 760 cu. ft. Cement 3rd stage with 711 cu. ft. 65/35/8 containing 8# Gilsonite/sx and 1/4# celloflake/sx, follow with 70 cu. ft. class "C" containing 6-1/4# Gilsonite/sx and 1/4# celloflake/sx. Total cement volume for stage 3 was 781 cu. ft. Circulated 2 bbls cement to surface on third stage. Job complete 8/10/99.</p>

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	950'	
Kirtland	1266'	
Fruitland	1670'	
Pictured Cliffs	1962'	
Lewis	2034'	
Chacra	2412'	
Cliff House	3504'	
Menefee	3587'	
Point Lookout	4291'	
Gallup	5406'	
Sanostee	5915'	
Greenhorn	6256'	
Graneros	6306'	
Dakota	6334'	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE:

Expires: February 28, 1995

(Other instructions on
reverse side)

5. LEASE DESIGNATION AND SERIAL NO.
NM 012737

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

El Niño #6E

9. API Well No.

30 045 29639

10. FIELD AND POOL, OR WILDCAT

Blanco Mesaverde

11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA

**Unit J
Section 11, T26N, R9W**

12. COUNTY OR PARISH

San Juan

13. STATE

NM

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1.a. TYPE OF WELL: OIL WELL GAS WELL DRY OTHER

b. TYPE OF COMPLETION: NEW Well WORK OVER DEEP-EN PLUG BACK DIFF. CENTR. OTHER

2. Name of Operator
Dugan Production Corp.

3. Address and Telephone No.
P.O. Box 420, Farmington, NM 87499 (505) 325-1821

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface **1850' FSL & 1850' FEL (NW/4 SE/4)**

At top prod. interval reported below **same**

At total depth **same**

14. PERMIT NO. DATE ISSUED

15. DATE SPUDDED **7/28/99** 18. DATE T.D. REACHED **8/8/99** 17. DATE COMPL. (Ready to prod.) **11/15/1999** 18. ELEVATIONS (OF, RKB, RT, GR, ETC.)* **6238'** 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD **6740'** 21. PLUG BACK T.D., MD & TVD **6639'** 22. IF MULTIPLE COMPL., HOW MANY* **2** 23. INTERVALS DRILLED BY **TD** ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
4292' - 4312' (Blanco Mesaverde - commingled with Basin Dakota) 25. WAS DIRECTIONAL SURVEY MADE **no**

26. TYPE ELECTRIC AND OTHER LOGS RUN
Electric & Density/Neutron open hole logs & GR/CCL 27. WAS WELL CORED **no**

28. CASING RECORD (Report all strings set in well)					
CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	330'	12-1/4"	342 cu. ft. class "B" w/3% CaCl2	
4-1/2"	10.5# & 11.6#	6740'	7-7/8"	See details on back	

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SBT (MD)
					2-3/8"	6410'	NA

31. PERFORATION RECORD (Interval, size and number)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4292' - 4312' w/1 jspf (20 holes total)	4292' - 4312'	500 gals 15% HCL; 53,896 gals slickwater; 51,000# 20/40 sand

33. PRODUCTION
DATE FIRST PRODUCTION **11/15/99** PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) **capable of production** WELL STATUS (Producing or shut in) **shut-in**

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROOF FOR TEST PERIOD	OIL - MCF.	GAS - MCF.	WATER - BBL.	GAS - OIL RATIO
11/15/99	24 hrs	1/4"					
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24 - HOUR RATE	OIL - BBL.	GAS - MCF.	WATER - BBL.	OIL GRAVITY - API (CORR.)	
1500	1500						

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) **vented - to be sold** TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED John Alexander Title Vice-president Date 11/15/99

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37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof: cored intervals; and all drill-stem, tests, including depth interval tested on used, time tool open, flowing and shut-in pressures, and ... series):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			<p>Drill to 6740' TD on 8/9/99. Ran Electric and Density/Neutron open hole logs. Ran 4-1/2" 11.6# J-55 and 10.5# J-55 casing. Land casing @ 6736'. Stage tools @ 4630' and 2115'. Cement 1st stage with 261 cu. ft. 65/35/8 containing 8# Gilsonite/sx and 1/4# celloflake/sx, follow with 280 cu. ft. class "H" containing 4% CD-32, .3% FL-52 and 1/4# celloflake/sx. Total cement volume stage 1 was 541 cu. ft. Cemented 2nd stage with 690 cu. ft. 65/35/8 containing 8# Gilsonite/sx and 1/4# celloflake/sx, followed by 70 cu. ft. class "C" containing 6-1/4# Gilsonite/sx and 1/4# celloflake/sx. Total cement volume stage 2 was 760 cu. ft. Cement 3rd stage with 711 cu. ft. 65/35/8 containing 8# Gilsonite/sx and 1/4# celloflake/sx, follow with 70 cu. ft. class "C" containing 6-1/4# Gilsonite/sx and 1/4# celloflake/sx. Total cement volume for stage 3 was 781 cu. ft. Circulated 2 bbls cement to surface on third stage. Job complete 8/10/99.</p>

38. GEOLOGIC MARKERS

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Point Lookout	4291'	
Gallup	5406'	
Sanostee	5915'	
Greenhorn	6256'	
Graneros	6306'	
Dakota	6334'	

WORKING INTEREST OWNERS

EL NIÑO #6E
API #30 045 29639
Unit J, Section 11, T26N, R9W
San Juan County, New Mexico

Dugan Production Corp. -- 74.803405%

Burlington Resources -- 25.196595%