

JOHN CORBETT
OIL AND GAS CONSULTING
P.O. Box 93
FARMINGTON, NM 87499

October 10, 2002

William V. Jones, Jr.
NM Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

OCT 15 2002

Subject: Administrative Application of SWD: King Kong Well No. 20
Section 4, T30N, R17W, NMPM, San Juan County, New Mexico

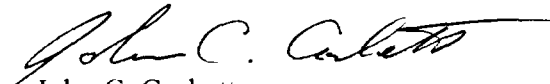
Dear Mr. Jones:

Enclosed per our discussion yesterday is information pertinent to the referenced application. Please find included:

1. A produced water analysis -- As discussed, the water is high in bicarbonate, but still well under 10,000 TDS. This analysis is from one of the producing wells that will be serviced by the King Kong #2.
2. A production curve for the field -- This illustrates both the oil and water volumes produced. The history is indicative of expected future volumes.
3. Injection Data -- These data are from the King Kong #20 on forms submitted to the EPA. I have included the same data in graphic format to illustrate that the historic injected volumes have not increased the injection pressure to the point that a danger of lifting water to the surface exists. There does not appear to be an appreciable affect of injection volume on injection pressure on either a monthly or cumulative basis.
4. Notification receipts -- As discussed, the surface is Tribal Trust. The Land Office is the Navajo Land Office in Montezuma Creek, UT.

If you have any questions you can contact me at (505) 327-5751.

Very truly yours,


John C. Corbett

JCC:vac

Enclosures

330-3703 mcd

9

Inter-Mountain Laboratories, Inc.

2506 W. Main Street
Farmington, New Mexico 87401

Client: Paid Client
Project: Action Oil Co.
Sample ID: Kent, #1 Top
Lab ID: 0398W04456
Matrix: Water
Condition: Intact

Date Received: 08/12/98
Date Reported: 08/18/98
Date Sampled: 08/11/98
Time Sampled: 1200

Parameter	Result	Units	Range	Units	Ratio	Method	Analysis		
							Date	Time	Init.
GENERAL PARAMETERS									
pH	8.1	s.u.			0.1	EPA 150.1	08/12/98	1600	BJ
Electrical Conductivity	4,530	µmhos/cm			10	EPA 120.1	08/12/98	1600	BJ
Solids - Total Dissolved	2,780	mg/L			10	EPA 160.1	08/17/98	0800	BJ
Total Alkalinity as CaCO3	1,880	mg/L			1	EPA 310.1	08/17/98	1020	JG
Total Hardness as CaCO3	22	mg/L			1	Calculation	08/18/98	1630	JG
MAJOR ANIONS									
Bicarbonate (HCO3)	2,290	mg/L	37.5	meq/L	1	EPA 310.1	08/17/98	1020	JG
Carbonate (CO3)	<1	mg/L	<0.01	meq/L	1	EPA 310.1	08/17/98	1020	JG
Hydroxide (OH)	<1	mg/L	<0.01	meq/L	1	EPA 310.1	08/17/98	1020	JG
Chloride	204	mg/L	5.74	meq/L	1	EPA 300.0	08/13/98	0830	JG
Sulfate	216	mg/L	4.49	meq/L	5	EPA 300.0	08/13/98	0830	JG
MAJOR CATIONS									
Calcium	5	mg/L	0.24	meq/L	1	EPA 200.7	08/13/98	1000	AP
Magnesium	2	mg/L	0.20	meq/L	1	EPA 200.7	08/13/98	1000	AP
Potassium	3	mg/L	0.09	meq/L	1	EPA 200.7	08/13/98	1000	AP
Sodium	888	mg/L	38.6	meq/L	1	EPA 200.7	08/13/98	1000	AP
CATION / ANION BALANCE QC INFORMATION									
Cation Sum			39.2	meq/L	N/A	Calculation	08/18/98	1630	JG
Anion Sum			47.8	meq/L	N/A	Calculation	08/18/98	1630	JG
Cation/Anion Balance			9.89	meq/L	N/A	Calculation	08/18/98	1630	JG

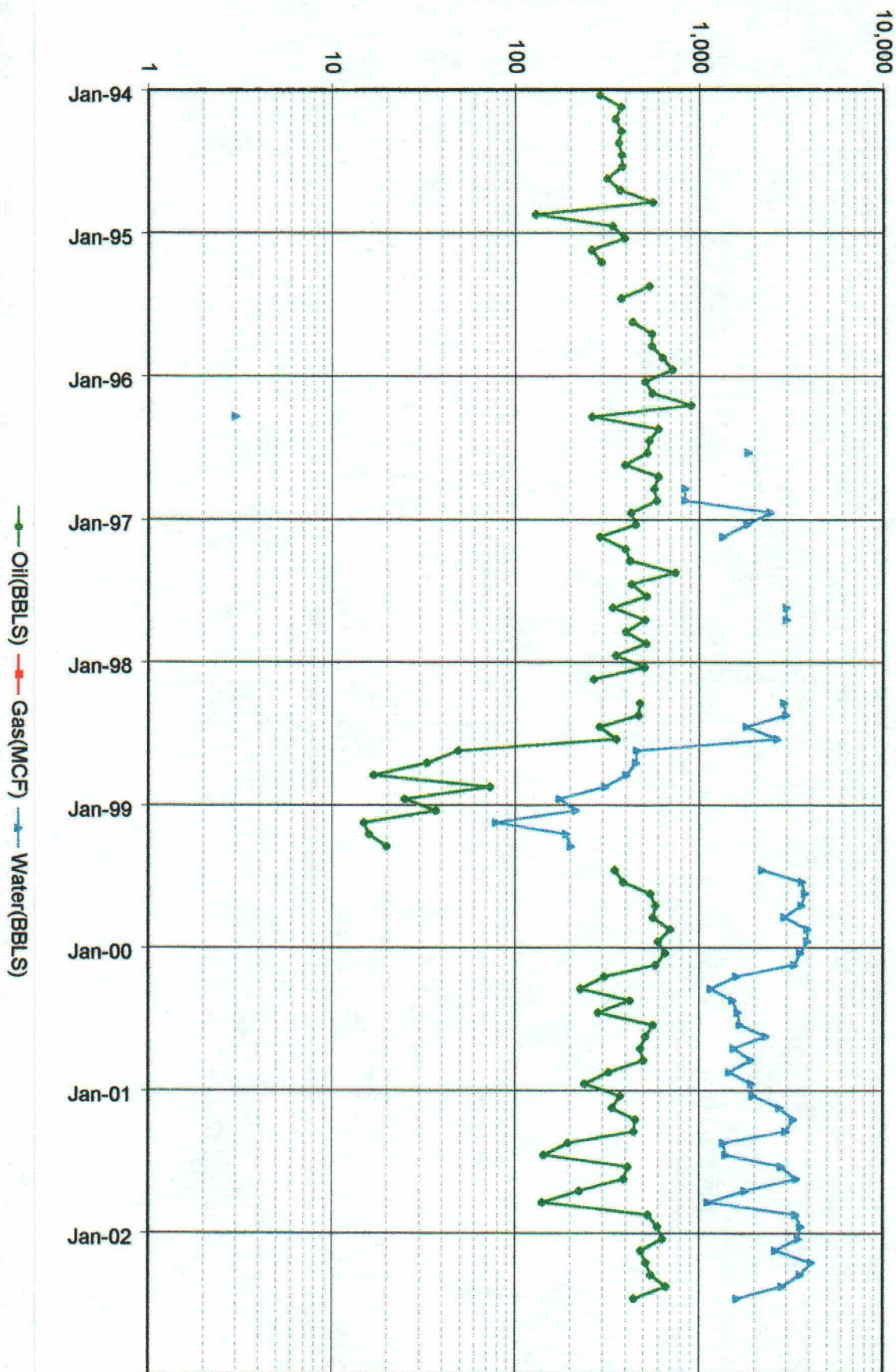
Reference: EPA - "Methods for Chemical Analysis of Water and Wastes (MCAWW)" - EPA/600/4-79-020 - March, 1983.
EPA - "Methods for the Determination of Inorganic Substances in Environmental Samples", United States Environmental Protection Agency, EPA 600/R-93/100, August, 1993.
EPA - "Methods for the Determination of Metals in Environmental Samples" - Supplement I - 600/R-94-111 - May, 1994.

Reviewed By:

John Green, Water Lab Supervisor

J.C. Well Service
Salt Creek Dakota Field
Total Production
T30N, R17W

Monthly Production



EPA Form 7520-11 (Rev. 8-90)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

ANNUAL DISPOSAL/INJECTION WELL MONITORING REPORT

NAME AND ADDRESS OF EXISTING PERMITTEE

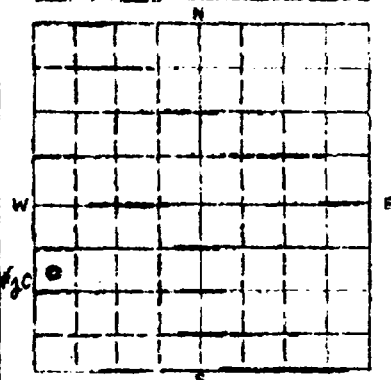
ACTION OIL CO.

P.O. Box 51

Farmington, NM 87489

NAME AND ADDRESS OF SURFACE OWNER

NCAJO NATION

LOCATE WELL AND OUTLINE UNIT ON
SECTION PLAT - 640 ACRES

STATE COUNTY

NM SAN JUAN

PERMIT NUMBER

NN294000021

SURFACE LOCATION DESCRIPTION

NE 1/4 OF SE 1/4 OF SECTION 4 TOWNSHIP 30N RANGE 17W

LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT

Surface
Location 160 ft. from (N/S) S. Line of quarter section
and 330 ft. from (E/W) W. Line of quarter section

WELL ACTIVITY

TYPE OF PERMIT

- ☐ Brine Disposal
☐ Enhanced Recovery
☐ Hydrocarbon Storage

- ☐ Individual
☐ Area
Number of Wells _____

Lease Name King Kong Well Number #20

MONTH	YEAR	INJECTION PRESSURE		TOTAL VOLUME INJECTED		TUBING - CASING ANNULUS PRESSURE (OPTIONAL MONITORING)	
		AVERAGE PSIG	MAXIMUM PSIG	BSL	MCF	MINIMUM PSIG	MAXIMUM PSIG
1-	00	45	190	3581			
2-	00	44	205	3315			
3-	00	40	190	1612			
4-	00	40	185	1165			
5-	00	44	186	1528			
6-	00	45	180	1634			
7-	00	44	185	1683			
8-	00	42	183	2311			
9-	00	37	180	1558			
10-	00	35	182	1935			
11-	00	34	185	1458			
12-	00	32	189	1947			

CERTIFICATION

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

NAME AND OFFICIAL TITLE (Please type or print)

JOHN CUNNINGHAM

SIGNATURE

DATE SIGNED

2-22-01

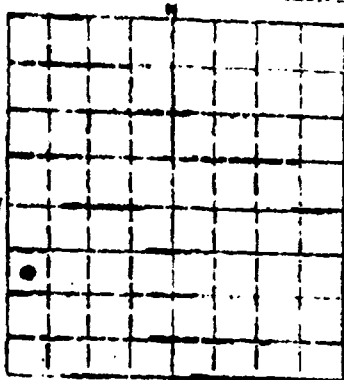
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

ANNUAL DISPOSAL/INJECTION WELL MONITORING REPORT

NAME AND ADDRESS OF EXISTING PERMITTEE

ACTION OIL CO.
P.O. BOX 51
FARMINGTON NM 87499

NAME AND ADDRESS OF SURFACE OWNER

NAGAJO NATION
RESERVATIONLOCATE WELL AND OUTLINE UNIT ON
SECTION PLAT -- 640 ACRES

STATE COUNTY

NM SAN JUAN

PERMIT NUMBER

NM299000021

SURFACE LOCATION DESCRIPTION

NE 1/4 OF SE 1/4 OF SECTION 4 TOWNSHIP 30N RANGE 17W

LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINE OF QUARTER SECTION AND DRILLING UNIT

Surface Location 1/650 ft. from (N/S) S Line of quarter section on

and 330 ft. from (E/W) W Line of quarter section on

WELL ACTIVITY

TYPE OF PERMIT

- ☐ Brine Disposal
☐ Enhanced Recovery
☐ Hydrocarbon Storage

- ☐ Individual
☐ Area
 Number of Wells _____

Lease Name KING KONG Well Number #20

		INJECTION PRESSURE		TOTAL VOLUME INJECTED		TUBING -- CASING ANNULUS PRESSURE (OPTIONAL MONITORING)	
MONTH	YEAR	AVERAGE PSIG	MAXIMUM PSIG	BSL	MCF	MINIMUM PSIG	MAXIMUM PSIG
1/	01	55	190	1976			
2/	01	55	190-5	2768			
3/	01	55	190-5	3274			
4/	01	55-60	190-5	2973			
5/	01	55-60	190-5	1360			
6/	01	55-60	190-195	1405			
7/	01	55-60	190-195	2920			
8/	01	55-60	190-195	3404			
9/	01	55-60	190-195	1784			
10/	01	55-60	190-195	1128			
11/	01	55-60	190-195	3381			
12/	01	55-60	190-195	3610			

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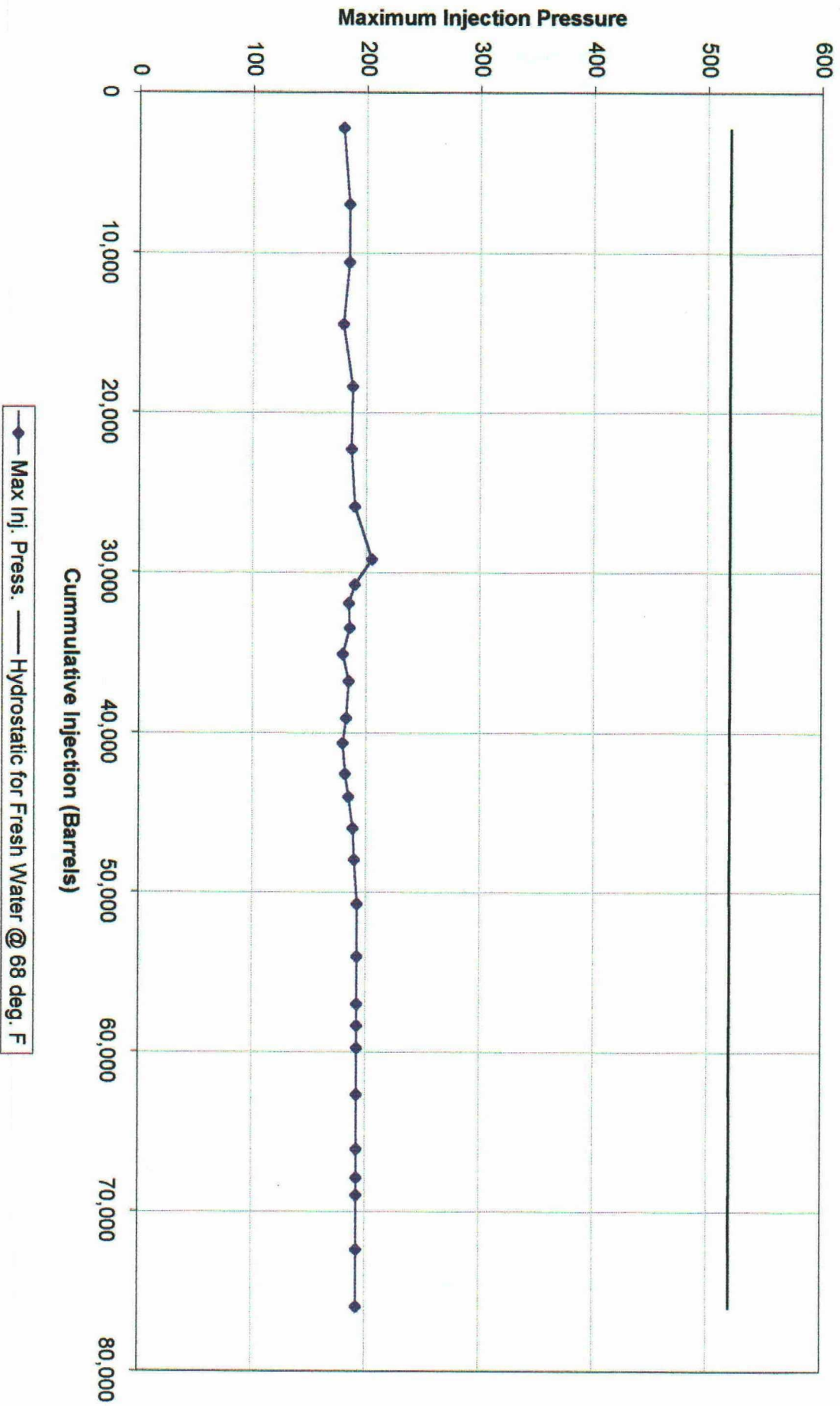
JOHN CUNNINGHAM

SIGNATURE

DATE SIGNED

7-28-02

J.C. Well Service
King Kong # 20
Max Monthly Injection Pressure vs Cum Injection Barrels



J. C. Well Service
King Kong #20
Max Monthly Injection Pressure vs Monthly Injection Vol

